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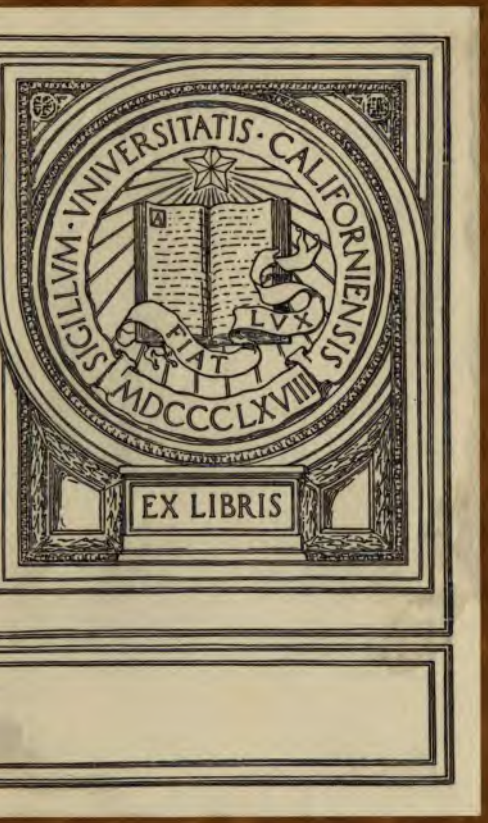
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THE NORMAL SCHOOL BULLETIN

PUBLISHED BY THE EASTERN ILLINOIS STATE NORMAL SCHOOL

Entered March 5, 1902, as second-class matter, at the post office at Charleston, Illinois Act of Congress, July 16, 1894.

CHARLESTON, ILLINOIS, July 1, 1920. No. 69

· MATERIAL ON GEOGRAPHY ·

which may be obtained free or at small cost

by

MARY JOSEPHINE BOOTH

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Librarian, Eastern Illinois State Normal School

Second Revised Edition

UNIV. OF CALIFORNIA

EASTERN ILLINOIS STATE NORMAL SCHOOL
CHARLESTON

1920

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GIFT

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UNIV. OF CALIFORNIA

PREFACE

Sources and Value

Publications of this description are usually issued in the form of well illustrated pamphlets and will supplement with little expense the books on geography used in the class room. They come from several sources, the United States government, the different state governments, railroads, steamship lines, manufacturing firms, and chambers of commerce of cities and towns.

Mr. Roland M. Harper has an article entitled A neglected source of geographical material in the Journal of Geography for June, 1916, p. 392-4, in which he states reasons why this material is not used as much as it might be and gives his estimate of its value in the following words: "As far as accuracy is concerned, the present standard for free geographical literature, with the possible exception of that issued by land companies, is higher than one might suppose without investigation. Many of the statements in these advertising pamphlets relate to facts which there would hardly be any motive for misrepresenting, or which can easily be verified in these days of rapid dissemination of knowledge. Even some state supplements to school geographies, published during the present century, are more extravagant, and even inaccurate, in describing the advantages of their respective regions, and say less of the disadvantages, than some of the literature here discussed."

Mr. H. H. Williams of the Bureau of Education, Manila, P. I., in an article entitled Travel booklets as an aid to geography in the Journal of Geography for January, 1917, p. 161-3, gives a number of suggestions on the use of this kind of material together with a number of addresses not included in this list.

Collecting and making use of local geography material by Ella Bartlett Knight in Elementary School Journal for February, 1920, p. 459-65, gives practical suggestions which have been used effectively in a school in Omaha.

How to Obtain

In writing for publications issued by societies, manufacturing firms, railroads, and steamship lines, give the names of the pamphlets desired, add a request for similar publications, and enclose postage. Some firms do not recognize a request for pamphlets unless a stamp is enclosed. If you want to obtain the most recent material, write for a list of publications and choose the ones needed, for new booklets are being frequently issued. More satisfactory results will usually be obtained by using the letter head of the school.

Address the proper department for the state publications, enclosing postage.

In regard to obtaining government publications it is difficult to lay down rules, as the practice of distribution varies in the different departments and bureaus. In this list the department or bureau issuing the pamphlet has usually been indicated. Sometimes the pamphlet may be obtained free by writing direct to the issuing bureau or department. If the supply for free distribution has been exhausted, you will be notified and then the publication can be bought from the Superintendent of documents.

Some Points About This List

The addresses of those issuing the pamphlets listed have been given fully but the state, province, or country has been uniformly omitted when the name of the state, province, or country occurs as the subject. In order to shorten the list usually only one pamphlet from any one source is listed, the phrase "Also other publications" being used to show that others on the same subject are issued.

Under the Act of August 24, 1912, "a publication such as 'The Normal School Bulletin' published by a 'regularly incorporated institution of learning' may not carry advertisements in the interests of other persons or concerns than the institution by which published."

The U. S. Post Office Department has ruled that no reference may be made to the prices of the books or pamphlets in this bulletin because "when the price of a book or pamphlet is included in the review or description thereof, the review or description is then regarded as constituting an advertisement within the meaning of the law." Consequently it has been necessary to omit the price and in cases where there is a charge to use the words, "Write for price."

The highest limit in price has been placed at seventy-five cents, except in a few instances in the bibliographies and in the list of Educational exhibits. Where the phrase "Write for price" is not printed, the publications were sent free to the compiler and no information in regard to price was given. Certain publications which were not seen, but which there was reason to believe would prove worthy, have been listed with a note showing that they have not been examined.

Complaints have come to the compiler that it has been impossible to get certain titles entered in the previous list. This is unavoidable, as material given in such a list will be out of print in a short time. Great care has been taken, especially in the revisions of 1916 and of 1920, to enter only such material as was actually obtainable at the time the list was made. However, during the time it takes to put the bulletins through the press and to send them out, certain titles are almost sure to become out of print. This is especially true now because the shortage of paper and of labor makes

the publication of pamphlets expensive. Frequently new booklets will be issued to replace them and on this account it is usually better, when writing for a certain title, to add a request for other similar publications.

Suggestions

After obtaining a quantity of this material it is likely to prove almost useless unless cared for properly. Large waste envelopes or folders made of paper may be used to keep the material on one subject together and these kept together in a box or drawer. At first one envelope may be large enough to keep all the material on one state, as, Illinois; later a separate envelope may be needed for Chicago. All the material on each of the different industries should be kept together, alphabetically arranged. If the material is kept from year to year and additions made, the result will be both interesting and valuable.

Most firms are glad to supply material free to teachers for use in their schools but object to receiving 30 or 40 requests from the same town from small children who are making collections of pictures, etc. Teachers should not have a whole room write for the same pamphlets, as this practice makes it difficult for those really needing the pamphlets to get them.

County and city superintendents of schools may be able to obtain several copies of the material in this list and keep it in a convenient place for the use of teachers under their direction.

New Material

To keep up with the geographical material obtainable free or at small cost which is being constantly issued, consult the Monthly Catalogue of United States Public Documents and the Monthly List of State Publications, both distributed by the Superintendent of documents, Washington, D. C. Read the advertisements of railroads and steamship companies appearing in magazines and newspapers, which frequently offer to send free or for postage descriptive booklets. These advertisements change with the seasons and in the course of a year will include almost all parts of the world. Some geographical journals and general educational magazines record pamphlets, while in the columns of Public Libraries, The Library Journal, The Wisconsin Library Bulletin, and other library periodicals are often found items giving the names of recent pamphlets.

Editions

The first edition of this list was published in the Wisconsin Library Bulletin for January-February, 1913. A revised list was published in the Journal of Geography, January, 1914, a number of the new titles having been suggested by Miss Adelaide R. Hasse, Chief, Public Documents Department, New York Public Library.

It was reprinted by the American Library Association Publishing Board, 78 East Washington Street, Chicago. Another list, partially revised, was printed in the Normal School Bulletin, October, 1914; the same list with the addition of a few titles was printed in the Journal of Geography, January, 1915; the new titles in these last two lists were largely pamphlets issued by commercial clubs and chambers of commerce. A completely revised edition was printed in the Normal School Bulletin, October, 1916; selected titles from this were printed in the Journal of Geography for May, 1917.

This list is a complete revision of the other lists published. It has been compiled from responses to letters sent out in the early part of 1920.

ACKNOWLEDGMENT

The generosity of societies, firms, railroads, steamship lines, and individuals in sending material for examination has made this list possible and their kindness is appreciated.

M. J. B.

List of Abbreviations

The usual abbreviations of states and months are used.

agric.—agricultural, agriculture
Amer.—American
ass'n—association
ave.—avenue
bldg—building
blvd—boulevard
Bost.—Boston, Mass.
bull.—bulletin
bur.—bureau
c.—copyright
Chic.—Chicago, Ill.
circ.—circular
co.—company
cong.—congress
dep't—department
div.—division
doc.—document
ea.—each
ed.—edition; edited
educ.—education
e. g.—for example
exp.—experiment
ext.—extension
geol.—geological
internat'l—international
Lond.—London, England
mfg—manufacturing
misc.—miscellaneous
nat'l—national
n. d.—no date
no.—number
N. Y.—New York, N. Y.
Phil.—Philadelphia, Penn.
p.—page; pages
pt—part
publ.—publication
R. R.—railroad, railway
rep't—report
rev.—review, revised
Sec'y—secretary
S. S.—steamship
ser.—series
sess.—session
st.—street
sta.—station
Sup't of doc.—Superintendent of documents
sur.—survey
univ.—university
v.—volume; volumes
Wash.—Washington, D. C.

GENERAL LIST

Before sending for any of these pamphlets please read the section of preface entitled How to obtain on pages 5–6.

Bibliography

Aids in high school teaching; pictures and objects by J. C. Dana and Blanche Gardner. 1916. The H. W. Wilson co. 958 University ave. N. Y. Write for price.
Gives lists of dealers of photographs, postcards, films, educational exhibits, relief maps and slides.

Commercial and industrial organizations of the U. S. rev. to Nov. 1, 1919. Misc. ser. 99. Foreign and domestic commerce bur. Wash. Write for price to Sup't of doc. Wash.

Geography, and explorations, natural wonders, scenery and national parks; list of publications relating to above subjects for sale. 1920. Sup't of doc. Wash.

Maps, atlases and geographical publications by Sarah B. Ball. 1915. H. W. Wilson co. 958 University ave. N. Y. Write for price.

Publishers of inexpensive geographic material. Rev. list. n. d. Free public library, Newark, N. J. Write for price.
Mimeographed sheet compiled for New Jersey library association.

Periodicals

Agwi steamship news. (monthly) Agwi steamship news, 165 Broadway, N. Y.

Geographic news bulletin. (weekly) Bur. of educ. Wash. Free to teachers.
Prepared by the National geographic society.

The Grace log. (monthly) W. R. Grace and co. 7 Hanover square, N. Y.

Pacific mail. (monthly) Pacific mail S. S. co. 508 California st. San Francisco, Cal.

ABYSSINIA

Abyssinia; present commercial status of the country with special reference to the possibilities for American trade by Addison E. Southard, 1918. Special consular rep'ts 81. Foreign and domestic commerce bur. Wash. Write for price to Sup't of doc. Wash.

AFRICA

See subdivisions following and names of different countries, e. g. Egypt.

AFRICA, EAST

General information as to the East Africa protectorate. 1919. Oversea settlement office, 59 Victoria st. Lond. S. W. I. Write for price.

AFRICA, SOUTH

See South Africa.

ALABAMA

Alabama. 1919 (?) Issued by U. S. Railroad administration, distributed by Chamber of commerce, Montgomery. Publishes Montgomery, your opportunity. n. d. The pamphlet Alabama is also distributed by Louisville and Nashville R. R. Louisville, Ky.

Birmingham. n. d. Chamber of commerce, Birmingham. Also other publications.

ALASKA

Alaska, by Belmore H. Browne. 1914. Mentor ass'n inc. 114 E. 16th st. N. Y. Write for price.

Alaska, Atlin and the Yukon, folder. n. d. White pass and Yukon route, Conway bldg, Chic. or 612 Second ave. Seattle, Wash. Also publishes a map of Alaska.

Alaska, our frontier wonderland. (latest ed.) Alaska bur. Seattle chamber of commerce, Seattle, Wash. Also other publications.

Coastal glaciers of Prince William sound and Kenai peninsula by U. S. Grant and D. F. Higgins. 1913. Bull. 526. Geol. sur. Wash. Write for price to Sup't of doc. Wash.

Cordova, Alaska. 1920. Chamber of commerce, Cordova.

Folder (latest). Alaska S. S. co. Seattle, Wash.

General information regarding the territory of Alaska. Ed. of 1918. Interior dep't, Wash. Write for price to Sup't of doc. Wash.
Contains list of maps and bibliography.

Life in Alaska. 1917. Alaska bur. of publicity, Juneau. Also publishes Southwestern Alaska, 1917 and other publications.

Alaska—*Continued.*

Mineral resources of Alaska; report on progress of investigations. 1916. Bull. 662. Geol. sur. Wash. Write for price to Sup't of doc. Wash.

The Pacific northwest and Alaska. n. d. Union Pacific R. R. Omaha, Neb.

Possible agricultural development in Alaska by Levi Chubbuck. 1914. Dep't bull. 50. Rep't of agric. Wash. Write for price to Sup't of doc. Wash.

"Includes an article on the reindeer industry of Alaska."

Report of the governor of Alaska. 1919. Interior dep't, Wash. Contains bibliography of government publications on Alaska and map.

Bibliography

Alaska; list of publications relating to above subject for sale by Sup't of doc. 1919. Sup't of doc. Wash.

See also Fisheries and Salmon in list of Industries and commercial products.

ALBERTA

Alberta; a survey of the topography, climate, resources, industries, transportation and communication, and institutional services of the province of Alberta. n. d. Dep't of agric. Edmonton. Also other publications.

Wealth in mixed farming at Viking, Alberta. n. d. Collier bros. Viking.

ARGENTINE REPUBLIC

Argentina by E. M. Newman. 1916. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Argentina; general descriptive data. (latest ed.) Pan Amer. union, Wash. Also publishes Commerce of Argentina (latest ed.) and Rosario, Argentina's second city; reprinted from Pan Amer. union bull. Aug. 1918. Also other publications.

Requests for these publications must be made through a U. S. senator or member of congress.

The economic position of Argentina during the war. 1920. Misc. ser. 88. Bur. of foreign and domestic commerce, Wash. Write for price to Sup't of doc. Wash.

See also Meat in list of Industries and commercial products.

ARIZONA

Arizona, Maricopa county, Salt river valley, folder. 1920. Issued by Board of supervisors of Maricopa county. Distributed by Chamber of commerce, Phoenix.

Blue book. 1919. Sec'y of state, Phoenix.

Where, what and why? n. d. Chamber of commerce, Tucson. Also other publications.

Yavapai county, Arizona, its resources and opportunities. 1912. Distributed by Yavapai county chamber of commerce, Prescott. Also other publications.

Yavapai, the land of opportunity, by G. M. Sparkes. 1917. Arizona bur. of mines, Univ. of Arizona. Tucson.

See also Casa Grande, Grand canyon of the Colorado, and Cotton and Petroleum in list of Industries and commercial products.

ARKANSAS

Agricultural department's township, railroad, mineral and crop map of the state of Arkansas. ©1919. Dep't of agric. Little Rock.

On back description of the 75 counties of the state.

Arkansas, folder. n. d. Rock Island lines, Chic. Also other publications. Also distributed by Kansas City southern R. R. Kansas City, Mo.

Arkansas information. n. d. Bur. of mines, manufactures, and agric. Little Rock.

Arkansas soils that produce success. n. d. Cotton belt route, St Louis, Mo.

The Hot Springs of Arkansas. n. d. Distributed by Business men's league, Hot Springs.

Consists of many views of the city.

Oak leaves, 1915. Missouri and north Arkansas R. R. Harrison. Distributes What the business men's league means to Helena, Ark. 1913.

Pine Bluff, Arkansas. 1919. Chamber of commerce, Pine Bluff. Also other publications.

The scene of the next great immigration movement. n. d. Business men's club, Fort Smith. Also other publications.

A tale of two cities. n. d. Board of trade, Texarkana. Also other publications.

See also Hot Springs of Arkansas.

Australia

Australia, its resources, industries, and trade. 1911. Spec consular rep'ts 47. Bur. of foreign and domestic commer Wash. Write for price to Sup't of doc. Wash.

Handbook on the commonwealth of Australia. pt 1. 1919. Ov sea settlement office, 59 Victoria st. Lond. S. W. I.

To Australia via Java by the K. P. M. n. d. Distributed by J. Spreckles and bros. co. 2 Pine st. San Francisco, Cal.

Trading with Australasia. c1919. Guaranty trust co. of N. 140 Broadway, N. Y.

See also names of provinces, e. g. Victoria, and Meat and Woo in list of Industries and commercial products.

Austria

The story of the Danube by Albert B. Hart. 1915. Mentor ass'n inc. 114 E. 16th st. N. Y. Write for price. Also publishes Vienna, the queen city by Dwight L. Elmendorf. 1914 Write for price.

Bahama Islands

The Bahama Islands; information as to soil, climate, etc. for intending settlers. 1919. Development board, Nassau.

Also other publications.

Belgium

Belgium the brave by Ruth Kedzie Wood. c1920. Mentor ass'n, inc. 114-116 E. 16th st. N. Y. Write for price.

Bermuda

Bermuda. n. d. Furness Bermuda line. Furness house, Whitehall st. N. Y.

Bolivia

Bolivia by E. M. Newman. 1917. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Bolivia; general descriptive data. (latest ed.) Pan Amer. union, Wash. Also publishes a map showing forest and agricultural areas and mineral localities. 1912. Size 17x20 inches. Write for price. Also publishes Commerce of Bolivia (latest ed.) and LaPaz, the world's highland capital; reprinted from Pan Amer. union bull. May 1918.

Requests for these publications must be made through a U. S. senator or a member of congress.

Brazil

Brazil by E. M. Newman. 1917. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Brazil, a study of economic conditions since 1913 by Arthur H. Redfield. 1920. Misc. ser. 86. Bur. of foreign and domestic commerce, Wash. Write for price to Sup't of doc. Wash.

Brazil; general descriptive data. (latest ed.) Pan Amer. union, Wash. Also publishes Sao Paulo, the heart of coffee land; reprinted from the Pan Amer. union bull. June 1918 and Commerce of Brazil, (latest ed.) and Rio de Janeiro, the fair capital of Brazil; reprinted from Pan Amer. union bull. June 1917. Also other publications.

Requests for these publications must be made through a U. S. senator or member of congress.

Economical notes on Brazil. 1919. Ministry of agric. industry, and commerce, Rio Janeiro. Also issues a map of Brazil, n. d.

British Columbia

Handbook of British Columbia. 1919. Bur. of information, Victoria. Also other publications.

North by west in the sunlight; descriptive matter regarding enjoyable coasting tours along the shores of British Columbia by Aitken Tweedale. c1916. Union S. S. co. of British Columbia, ltd, Vancouver. Also other publications.

Opportunities in British Columbia. (latest ed.) Dep't of agric. Victoria.

Plateau and valley lands, central British Columbia. 1918. Grand trunk Pacific, Winnipeg, Man.

Contains map.

California

Agricultural, industrial and scenic resources of Sonoma county, California. n. d. Sonoma development ass'n, Santa Rosa. Also distributes other publications.

California for the settler. c1917. Southern Pacific lines, 65 Market st. San Francisco. Also other publications.

California for the tourist; summer ed. n. d. Union Pacific R. R. co. Omaha, Neb. Also distributed by Southern Pacific lines, 65 Market st. San Francisco, and by Missouri-Pacific R. R. co. Railroad exchange bldg, St Louis, Mo.

California, resources and possibilities. (annual) California development board, Ferry bldg, San Francisco.

California—*Continued.*

Fruitful Fresno, the superlative county of California. 1917. Fresno county chamber of commerce, Fresno. Also publishes The bulletin.

Los Angeles today. 1920. Chamber of commerce, Los Angeles. Also publishes Los Angeles, city and county, 1919, and other publications.

Mt Lowe, greatest mountain trolley trip in the world. Pacific electric R. R. co. Los Angeles. Also publishes a large relief map of the territory served by it.

Oakland tribune, 1920. Distributed by Chamber of commerce, Oakland. Also distributes other publications.

Palo Alto, seat of Stanford university. n. d. Chamber of commerce. Palo Alto. Also distributes Santa Clara county, California. n. d

Sacramento county. n. d. Board of supervisors of Sacramento county, Sacramento.

Sacramento valley and foothill counties of California; ed. by Emmett Phillips and John H. Miller. 1915. Distributed by Sacramento valley development ass'n, 2nd and H sts, Sacramento.

Santa Barbara county, California by Frank M. Selover. n. d. Chamber of commerce of Santa Barbara county, Santa Barbara. Also distributes other publications.

Santa Clara county, California. n. d. Distributed by Chamber of commerce, San Jose. Also distributes other publications.

Solano county, California. 1915. Distributed by Fairfield commercial ass'n, Fairfield.

Southern California by Charles F. Lummis. 1916. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Stockton, California as the camera sees it. n. d. Chamber of commerce, Stockton. Also other publications and distributes San Joaquin county, California for the farmer. n. d.

A trip to San Francisco. n. d. Publicity dep't, Chamber of commerce, San Francisco.

Bibliography

Pacific states; list of publications for sale. 1918. Sup't of doc. Wash.

See also General Grant national park, Lassen volcanic national park, Sequoia national park, Yosemite national park, and Citrus fruits, Lemons, Lumbering, Olives, Rice, Walnut

California—*Continued.*

industry and Wood using industries in list of Industries and commercial products.

CANADA

Canada, descriptive atlas. 1919. Dep't of immigration and colonization, Ottawa.

"Booklet on Eastern Canada in printer's hands." Letter of May 12, 1920.

Canada in the building; industrial opportunities, descriptions of towns, natural resources, maps. 1919. Canadian Pacific R. R. 140 S. Clark st. Chic. Also other publications.

Commerce and industries of Canada and Newfoundland by A. G. Robinson. 1913. Special agents ser. 76. Foreign and domestic commerce bur. Wash. Write for price to Sup't of doc. Wash.

Handbook of the Dominion of Canada. pt 1. 1919. Oversea settlement office, 59 Victoria st. Lond. S. W. I.

Lake Superior to the sea by Garnault Agassiz. n. d. Canada S. S. lines ltd, Montreal, Canada. Also distributed by Mortimer Broaddus, 605 Merchants loan and trust bldg, Chic.

Niagara to the sea. 1919. Canada S. S. lines ltd, Montreal, Canada.

Notes by the way. Canadian nat'l railways, 64 W. Adams st. Chic.

Different numbers describe different parts of Canada.

See also different sections of the country, e. g. Northwest, Canada, and names of provinces, e. g. Ontario, and Flax, Maple sugar, and Tobacco, in list of Industries and commercial products.

CANADIAN ROCKIES

See Rocky Mountains—Canadian Rockies.

CASA GRANDE

General information regarding the Casa Grande ruin, Arizona. (latest ed.) Nat'l park service, Wash.

Topographic map of northern part of this area, shown on Sacaton map. Geol. sur. Wash. Write for price.

Scale about 1 mile to 1 inch.

CENTRAL AMERICA

Central America as an export field by Garrand Harris. 1916. Special agents ser. 113. Foreign and domestic commerce bur. Wash. Write for price to Sup't of doc. Wash.

ral America—*Continued.*

ıp of Central America, including Cuba, Porto Rico and the islands of the Caribbean sea. Pan Amer. union, Wash. Write for price.

Prepared by Amer. bank note co. Size 14x19 in.

See also names of countries of Central America, e. g. Honduras.

Ceylon

ylon, the traveller's paradise. n. d. Distributed by Pacific mail S. S. co. 508 California st. San Francisco, Cal.

Chile

ile by E. M. Newman. 1916. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

ile; general descriptive data. (latest ed.) Pan Amer. union, Wash. Also publishes Valparaiso, the great South Pacific emporium; reprinted from the Pan Amer. union bull. July 1918 and Commerce of Chile (latest ed.) and Santiago, Chile's charming capital; reprinted from Pan Amer. union bull. Feb. 1918.

Requests for these publications must be made through a U. S. senator or member of congress. Also distributes a map in three colors published by Edward Stanford 1907, size 6¼x 33¼ inches. Write for price.

See also Nitrates in list of Industries and commercial products.

China

e charm of the east, guide to Japan and China. 1919. Nippon Yusen Kaisha, 409 Coleman bldg, Seattle, Wash. Also publishes Superfine service through Seattle, Japan, China to Manila, n. d.

na, by Dwight L. Elmendorf. 1915. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

na-Japan. 1920. Amer. express co. Advertising dept, 65 Broadway, N. Y.

na, Japan. n. d. Canadian Pacific ocean services ltd, 40 N. Dearborn st. Chic.

nmercial handbook of China by Julean Arnold. 2 v. Misc. ser. 84. Bur. of foreign and domestic commerce. Wash. Write for price to Sup't of doc. Wash.

Consists of introductory chapter, another chapter containing mass of statistics on trade of China as a whole, and 17 chapters covering American consular districts in Republic. Dis-

China—*Continued.*

cusses area and population, physiography and climate, administration, education, agriculture, mining, communications, public works, ports and concessions, finance, industry, shipping and traveling facilities, commercial organizations, and other related aspects of trade.

The conduct of business with China. 1919. Misc. ser. 70. Foreign and domestic commerce bur. Wash. Write for price to Sup't of doc. Wash.

Salient facts regarding China by Julean Arnold. 1919. Bur. of foreign and domestic commerce, Wash.

Some roads towards peace by Charles W. Eliot. 1914. Carnegie endowment for internat'l peace, 2 Jackson place, Wash.

Trading with China, methods found successful in dealing with the Chinese. c1919. Guaranty trust co. of N. Y. 140 Broadway, N. Y.

See also Tea in list of Industries and commercial products.

Chosen

See Korea.

Colombia

Colombia; general descriptive data. (latest ed.) Pan Amer. union, Wash. Also other publications.

Requests for these publications must be made through a U. S. senator or member of congress.

Colorado

Around the circle by Edwin L. Sabin. n. d. Denver and Rio Grande R. R. Denver. Also publishes The peaks of the Rockies by Edwin L. Sabin. c1916, and other publications.

Colorado and Utah Rockies. n. d. Union Pacific R. R. co. Omaha, Neb. Also distributed by Burlington route, Chic. and by Missouri Pacific R. R. co. Railway exchange bldg, St Louis, Mo.

Colorado Springs; health, education, recreation, residence all the year round. n. d. Chamber of commerce, Colorado Springs. Also other publications.

Come up to Colorado. n. d. Denver tourist and publicity bur. 505 17th st. Denver.

Pike's peak via the world famous cog road. n. d. Cog wheel route, Manitou.

Colorado—*Continued.*

The story of Colorado. 7 booklets. n. d. State board of immigration, Denver.

On Arkansas valley, Eastern Colorado, Northwestern Colorado, San Luis valley, South Platt valley, Southwestern Colorado and Western slope. Also issues Rainfall map of Colorado. 1919.

Colorado River

Colorado river and its utilization. 1916. Water supply paper 395. Geol. survey, Wash. Write for price to Sup't of doc. Wash.

"Includes panoramic views of the Grand canyon and other canyons."

See also Mesa Verde national park, Rocky Mountain national park.

Columbia River

The story of the Columbia river by Ruth K. Wood. 1918. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Connecticut

Connecticut the acme of diversified agriculture. n. d. Board of agric. Hartford.

Corea

See Korea.

Costa Rica

Costa Rica; general descriptive data. (latest ed.) Pan Amer. union, Wash. Also publishes Commerce of Costa Rica (latest ed.) and other publications.

Requests for these publications must be made through a U. S. senator or member of congress.

Crater Lake National Park

Crater lake national park, Oregon. n. d. Distributed by Oregon-Washington R. R. and navigation co. Portland, Ore. Also by Southern Pacific lines, 65 Market st. San Francisco, Cal.

Forests of Crater lake national park by J. F. Pernot. 1916. Interior dep't, Wash. Write for price to Sup't of doc. Wash.

General information regarding Crater lake national park. (annual) Interior dep't, Wash.

Contains bibliography.

Crater Lake National Park—*Continued.*

Geological history of Crater lake by J. S. Diller. 1912. Interior dep't, Wash. Write for price to Sup't of doc. Wash.

"Contains an account of the formation of Crater Lake."

Panoramic view of Crater lake national park by J. H. Renshawe. 1914. Write for price to Sup't of doc. Wash.

16½ by 18 inches; scale 1 mile to the inch.

Topographic map of Crater lake national park. Geol. sur. Wash. Write for price.

19 by 22 inches; scale 1 mile to the inch.

CUBA

Cuba by W. D. Moffat. 1919. Mentor ass'n, inc. 114-116 E. 16th st. N. Y. Write for price.

Cuba, a winter paradise. (latest ed.) United R. R. of Havana, Havana; or, Havana central R. R. co. 42 Broadway, N. Y. Also other publications.

Cuba and the Cuba railroad. 1917. Cuba railroad, 52 William st. N. Y.

Useful for pictures.

Cuba; general descriptive data. (latest ed.) Pan Amer. union, Wash. Also publishes Commerce of Cuba. (latest ed.) and distributes map prepared by War college div. of the War dep't. 1911. Size 15 by 39 in. Write for price. Also other publications.

Requests for these publications must be made through a U. S. senator or member of congress.

Cuba; review of commercial, industrial and economic conditions in 1919. 1919. Nat'l city bank of N. Y. N. Y.

Eastern Cuba. c1919. Munson S. S. line, 82 Beaver st. N. Y.

Havana and points in Cuba. n. d. N. Y. and Cuba mail S. S. co. Ward line, Foot of Wall st. N. Y.

Bibliography

Insular possessions and Cuba; list of publications. 1919. Sup't of doc. Wash.

CZECHOSLOVAK REPUBLIC

Economic strength of the Bohemian (Czechoslovak) lands by Vojta Benes. 1918. Czechoslovak information bur. 519-621 District nat'l bank bldg, Wash. Also other publications.

Danish West Indies

See Virgin Islands.

Delaware

Wilmington as a manufacturing center. n. d. Distributed by Chamber of commerce, Wilmington. Publishes The port of Wilmington, Del. 1917, and other pamphlets.

Denmark

The traveller's guide. n. d. Scandinavian-Amer. line, 1 Broadway, N. Y.

District of Columbia

The historic route for Mount Vernon, Alexandria and Arlington. n. d. Washington-Virginia R. R. co. 1202 Penn. ave. N. W. Wash.

Washington, a guide to the city. c1913. Baltimore and Ohio R. R. Baltimore, Md.

Washington the capital by Dwight L. Elmendorf. 1913. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Washington, the nation's capital. n. d. Chamber of commerce, Washington. Also distributes a pictorial map of Washington, D. C. c1914.

Dominican Republic

Dominican republic; general descriptive data. (latest ed.) Pan Amer. union, Wash. Also publishes Commerce of the Dominican republic (latest ed.).

Requests for these publications must be made through a U. S. senator or member of congress.

Dutch East Indies

Commercial possibilities of the Dutch East Indies; a description of trade conditions in an undeveloped market of great size, large population and immense resources. 1919. Nat'l foreign trade council, India house, Hanover square, N. Y.

See also Java.

The East (U. S.)

A wonderful service for summer tourists. 1919. Cleveland and Buffalo transit co. Cleveland, O. Also other publications.

See also Fur farming in list of Industries and commercial products.

East Africa

See Africa, East.

Ecuador

Ecuador; general descriptive data. (latest ed.) Pan Amer. union, Wash.

Requests for this publication must be made through a U. S. senator or member of congress.

Egypt

Egypt, the land of mystery, by Dwight L. Elmendorf. 1913. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

See also Dates in list of Industries and commercial products.

England

The land of history and romance. n. d. Midland R. R. Derby.

London by Dwight L. Elmendorf. 1913. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

See also Linen in list of Industries and commercial products.

Europe

The American traveler in Europe. 1920. Amer. express co. Advertising dep't, 65 Broadway, N. Y. Also other publications.

Europe, the pilgrim tours. c1920. Raymond and Whitcomb co. 152 W. Jackson blvd, Chic.

Newman travel talks; Europe 1919. Newman travel talks, Trib bldg, Chic. Also other publications.

R. M. S. P. Arcadian cruises de luxe. 1914. Royal mail steam packet co. 25 Broadway N. Y.

Has some usable pictures.

See also names of different countries of Europe e. g. Spain, and Iron and steel in list of Industries and commercial products and Foreign and domestic trade in Miscellaneous list.

Far East

The far east, c1919. Nat'l Shawmut bank of Bost. Bost.

The far east, Manila, Java, China and Japan, n. d. Distributed by Holland Amer. chamber of commerce for the Pacific coast states inc. Alto bldg, San Francisco, Cal.

Far East—*Continued.*

The far eastern fortnightly. Far eastern bur. 13 Astor place, N. Y.

A bulletin "furnishing editorial matter, news and information for the development of the mutual business, political and social interests of the Far East and the United States of America."

See also names of countries in the far east e. g. China.

Faroe Islands

The traveller's guide. n. d. Scandinavian-Amer. line, 1 Broadway, N. Y.

Federated Malay States

See Malay states, Federated.

Florida

Bartow, Polk county, Florida. 1918 (?) Board of trade, Bartow. Also publishes Polk county, Florida. n. d.

Florida. n. d. Distributed by Louisville and Nashville R. R. Louisville, Ky. Also distributed by Seaboard air line R. R. co. Norfolk, Va. which also distributes other pamphlets.

Florida a land of opportunities. Biennial rep't 15: 20-32. 1918. Dep't of agric. Tallahassee. Also other publications and a map. 1920.

Jacksonville aziz. n. d. Distributed by Chamber of commerce, Jacksonville.

The land of promise. n. d. Georgia, Florida and Alabama R. R. co. Bainbridge, Ga.

St Petersburg, Florida. 1919. Board of trade, St Petersburg. Also other publications.

Tampa, the metropolis of south Florida. 1920. Board of trade, Tampa.

See also Peanuts, Rice, Sugar, in list of Industries and commercial products.

France

Fortnightly survey of French economic conditions. Direction generale des services francais aux Etats-unis. 65 Broadway, N. Y.

France's foremost railway. n. d. Paris-Lyon-Mediterranee R. R. 281 Fifth ave. N. Y. Also other publications.

France—*Continued.*

Greater France, and three cities, Bordeaux, Lyons, Marseilles. c1920. Guaranty trust co. of N. Y. 140 Broadway, N. Y.

Paris, the incomparable, by Dwight L. Elmendorf. 1913. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price. Also publishes The story of Versailles by Frances Loring Pyne. 1919. Write for price.

General Grant National Park

Forests of Yosemite, Sequoia, and General Grant national parks by C. L. Hill. 1916. Interior dep't, Wash. Write for price to Sup't of doc. Wash.

General information regarding Sequoia and General Grant national parks. (annual) Nat'l park service, Wash.
Contains bibliography.

Sequoia and General Grant national parks, California. 1919. Southern Pacific lines, 65 Market st. San Francisco, Cal.

Topographic map of General Grant national park. Geol. sur. Wash. Write for price.
Mapped on the Tehipite quadrangle; scale 2 miles to the inch.
See also Big trees in Miscellaneous list.

Georgia

Atlanta the pinnacle city. n. d. Convention bur. Atlanta.

Georgia. 1919 (?) Distributed by Seaboard air line R. R. co. Norfolk, Va.

The land of promise. n. d. Georgia, Florida and Alabama R. R. co. Bainbridge.

Macon, the heart of Georgia. n. d. Chamber of commerce, Macon.

The story of Atlanta, folder. n. d. Chamber of commerce, Atlanta. Also other publications.
See also Quarrying in list of Industries and commercial products.

Germany

The story of the Rhine by Dwight L. Elmendorf. 1914. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Glacier National Park

General information regarding Glacier national park. (annual) Nat'l park service, Wash.

Contains bibliography. Also publishes Early history of Glacier national park. 1919.

Glacier national park, folder. n. d. Great northern R. R. St Paul, Minn.

Contains aeroplane map of Glacier national park.

Glacier national park; a popular guide to its geology and scenery by M. R. Campbell. 1914. Bull. 600. Geol. sur. Wash. Write for price to Sup't of doc. Wash.

Glacier national park by W. T. Hornaday. 1914. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Glacier national park, Montana. n. d. Distributed by Burlington route, Chic.

Glaciers of Glacier national park by W. C. Alden. 1914. Interior dep't, Wash. Write for price to Sup't of doc. Wash.

Origin of scenic features of Glacier national park by Marius R. Campbell. 1914. Interior dep't, Wash. Write for price to Sup't of doc. Wash.

Panoramic view of Glacier national park prepared by John H. Renshawe. 1914. Sup't of doc. Wash. Write for price.

18½ by 21 inches, scale 3 miles to the inch.

Some lakes of Glacier national park by M. J. Elrod. 1912. Interior dep't, Wash. Write for price to Sup't of doc. Wash.

Topographic map of Glacier national park. Geol. sur. Wash. Write for price.

Size 31 by 35 inches; scale 2 miles to the inch.

Grand Canyon of the Colorado

The Grand canyon by Dwight L. Elmendorf. 1915. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Grand canyon national park, Arizona. 1920. Santa Fe, 1116 Railway exchange, Chic.

The Grand canyon of the Colorado river in Arizona. n. d. Union Pacific R. R. co. Omaha, Neb.

Reprint from pamphlet of National park service.

Great Britain

The economic position of the United kingdom 1912-1918 by William A. Paton. 1919. Misc. ser. 96. Bur. of foreign and domestic commerce, Wash. Write for price to Sup't of doc. Wash.

See also names of countries belonging to Great Britain, e. g. Canada.

Guam

Island of Guam; geography and history of the island and its people. 1917. Write for price to Sup't of doc. Wash. Not seen.

Guatemala

Guatemala; general descriptive data. (latest ed.) Pan Amer. union, Wash. Also other publications.

Requests for these publications must be made through a U. S. senator or member of congress.

Gulf Stream

The gulf stream by Hawthorne Daniel. 1920. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Haiti

Haiti; general descriptive data. (latest ed.) Pan Amer. union, Wash.

Requests for this publication must be made through a U. S. senator or member of congress.

Hawaii

Hawaii, folder. Hawaii tourist bur. Honolulu. Also publishes Map and guide to the city of Hilo. 1920. Map and guide to the island of Kauai. 1919, and Map and guide to the city of Honolulu.

Hawaii, a primer. 1917. Hawaii promotion committee, Honolulu. Also publishes Map and guide to the island of Oahu, Map and guide to the island of Maui, Map and guide to the island of Hawaii.

Hawaii by E. M. Newman. 1917. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Hawaii national park, Hawaiian islands. n. d. Union Pacific R. R. co. Omaha, Neb.

Honolulu, the tourists' paradise. 1920. Matson navigation co. 120 Market st. San Francisco, Cal. Also distributes other publications.

Hawaii—*Continued.*

Rep't of governor. 1919. Dep't of the interior, Wash. Write for price to Sup't of doc.

Contains map.

Bibliography

Insular possessions and Cuba; list of publications. 1919. Sup't of doc. Wash.

HOLLAND

See Netherlands.

HOLY LAND

See Palestine.

HONDURAS

Honduras; general descriptive data. (latest ed.) Pan Amer. union, Wash.

Requests for this publication must be made through a U. S. senator or member of congress.

HOT SPRINGS OF ARKANSAS

General information regarding the Hot Springs of Arkansas. (latest ed.) Nat'l park service, Wash. Also other publications.

Hot Springs national park, Arkansas. n. d. Union Pacific R. R. co. Omaha, Neb. Also distributed by Missouri Pacific R. R. co. Railway exchange bldg, St Louis, Mo.

Topographic map of Hot Springs. Geol. sur. Wash. Write for price. Scale about 1 mile to 1 inch.

HUNGARY

Ethnographical map of Hungary based on the density of population by Paul Teleki. 1920. Distributed by Hungarian-Amer. federation 206 K. of C. bldg, Youngstown, O.

ICELAND

The traveller's guide. n. d. Scandinavian-Amer. line, 1 Broadway, N. Y.

IDAHO

Agriculture in the Lewiston country. n. d. Commercial club, Lewiston. Also other publications.

Washington-Northern Idaho. n. d. Northern Pacific R. R. St Paul, Minn.

See also Yellowstone national park and Mining in list of Industries and commercial products.

Illinois

Geography of the upper Illinois valley by Carl O. Sauer. Bull. 27. State geol. sur. Urbana. Sent for postage. Mailing weight about two pounds. Also publishes a coal mine map of Illinois. Write for price. Also other publications.

Moline. n. d. Commercial club, Moline.

Railroad map of Illinois showing railroad and electric lines. Illinois traction system, Publicity dep't, Peoria.

Springfield, Illinois. 1919. Commercial ass'n, Springfield.

Starved Rock state park by Horace Hull. 1919. Dep't of public works and buildings, Springfield. Also publishes Parks and memorials of the state of Illinois. 1920.

India

Beauty spots of India by Dwight I. Elmendorf. 1915. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Caste in India by Mrs. L. E. Linzell. 1918. Community leaflet 13. Bur. of educ. Wash. Write for price to Sup't of doc. Wash.

The labor problem in India by B. P. Wadia. 1919. Distributed by Hindustan Gadar society, 5 Wood st. San Francisco, Cal. Also other publications.

Indiana

Building the industrial city of Gary by G. W. Swartz. 1918. Community leaflet 20. Bur. of educ. Wash. Write for price to Sup't of doc. Wash.

South Bend, Ind. 1917. Chamber of commerce, South Bend. Also publishes South Bend today (monthly).

See also Sand dunes national park and Limestone in list of Industries and commercial products.

Iowa

Cedar Rapids, the industrial center of Iowa by F. R. Conaway. n. d. Chamber of commerce, Cedar Rapids.

Dubuque, Iowa on the Mississippi. n. d. Commercial club, Dubuque.

Sioux City a great power in the great northwest. 1920. Chamber of commerce, Sioux City. Also other publications.

See also Water power in Miscellaneous list.

Ireland

Romantic Ireland by Dwight L. Elmendorf. 1913. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Isle of Pines

The Isle of Pines. 1914. Distributed by Pan Amer. union, Wash. Reprint from Daily consular and trade reports. June 29, 1914.

Requests for this publication must be made through a U. S. senator or member of congress.

Italy

Italy. n. d. Italian state R. R. 281 Fifth ave. N. Y.
Publishes two booklets with same title.

Venice, the island city by Dwight L. Elmendorf. 1913. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

See also Mediterranean and Lemons in list of Industries and commercial products.

Japan

The charm of the east; guide to Japan and China. 1919. Nippon Yusen Kaisha, 409 Coleman bldg, Seattle, Wash. Also publishes Superfine service through Seattle, Japan, China to Manila, n. d.

China-Japan. 1920. Amer. express co. Advertising dep't, 65 Broadway, N. Y.

China-Japan. n. d. Canadian Pacific ocean services, ltd. 40 N. Dearborn st. Chic.

Japan. 1918. Japan tourist bur. Distributed by Japan society, 165 Broadway, N. Y. Also other publications. Also distributed by Cunard S. S. co. ltd, 21-24 State st. N. Y. and by Nippon Yusen Kaisha, 409 Colman bldg, Seattle, Wash.

Japan. 1919. Imperial gov't railways of Japan, Tokio. Also distributed by Cunard S. S. co. ltd, 21-24 State st. N. Y.

Japan by Dwight L. Elmendorf. 1911. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Some roads towards peace by Charles W. Eliot. 1914. Carnegie endowment for internat'l peace, 2 Jackson place, Wash.

Java

Come to Java. 1918. Distributed by Holland-Amer. chamber of commerce for the Pacific coast states, inc. 381 Bush st. San Francisco, Cal.

To Australia via Java by the K. P. M. n. d. Distributed by J. D. Spreckles and bros co. 2 Pine st. San Francisco, Cal.

KANSAS

Kansas, folder. 1919 (?) Distributed by Kansas City southern R. R. Kansas City, Mo.

Know Emporia and Lyon county, Kansas, folder. 1919. Chamber of commerce, Emporia.

Pittsburg in the heart of the black diamond mines of Kansas. n. d. Chamber of commerce, Pittsburg.

Wichita at a glance. n. d. Board of commerce, Wichita.

KENTUCKY

High lights on Louisville. n. d. Convention and publicity league, Louisville.

Illustrated Lexington, Kentucky. n. d. Board of commerce, Lexington.

Kentucky. n. d. Distributed by Louisville and Nashville R. R. Louisville.

Mammoth cave of Kentucky by Horace C. Hovey. c1909. For sale by Mammoth cave management, Mammoth Cave. Write for price.

KOREA

Chosen and Manchuria; economic outlines. 1918. Bank of Chosen, 120 Broadway, N. Y.

Korea by E. M. Newman. 1920. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

LASSEN VOLCANIC NATIONAL PARK

Volcanic history of Lassen peak by J. S. Diller. 1918. Nat'l park service Wash. Write for price to Sup't of doc. Wash.

LATIN AMERICA

How Latin America affects our daily life by W. J. Dangaix. 1917. Institute for public service. 51 Chambers st. N. Y. Write for price.

"Shows that we are dependent upon Latin American countries in many ways and how we can best help ourselves by extending our relations with them." Also publishes How we affect Latin America's daily life by W. J. Dangaix. n. d. Write for price.

Latin America—*Continued.*

Latin America; general descriptive data. 1917. Pan Amer. union, Wash. Also publishes Exporting to Latin America. 1919. and issues a map showing railroads in operation and under construction. 1913. Also other publications.

Requests for these publications must be made through a U. S. senator or member of congress.

Trading with our neighbors in the Caribbean by Oscar P. Austin. 1920. Nat'l city bank of N. Y. N. Y.

The booklet is the first in the Foreign commerce series which will be extended to include booklets dealing with financial, economic, and commercial conditions in South America, in the Orient, in South Africa and Australia, and in certain sections of Europe.

See also Central America, South America, West Indies and Petroleum Platinum, Rice, Sulphur, in list of Industries and commercial products.

LITHUANIA

Independence for the Lithuanian nation. 1918. Distributed by Representative of Lithuania in America, 703 Fifteenth st. N. W. Wash. Also publishes a map.

LOUISIANA

The Board of commissioners of the port of New Orleans is having written a "port and terminal booklet which will contain full information regarding this port." Letter of Apr. 22, 1920.

Louisiana. n. d. Rock Island lines. Chic. Also other publications. Also distributed by Kansas City Southern R. R. Kansas City, Mo.

Louisiana's invitation, the queen state of the south. n. d. Dep't of agric. and immigration, Baton Rouge. Also publishes Map of Louisiana. 1918.

A phytogeographic map showing principal vegetation areas, all principal commercial points, town populations and railway distances.

New Orleans, metropolis of the south, folder. n. d. Ass'n of commerce, New Orleans. Also other publications.

West Louisiana, East Texas and gulf coast. 1917 (?) Kansas City southern R. R. co. Kansas City, Mo.

The wet lands of southern Louisiana and their drainage by Charles W. Okey. Dep't bull. 71, Agric. dep't, Wash. Write for price to Sup't of doc. Wash.

Maine

Boothbay, Boothbay harbor, Southport on the coast of Maine. n. d. H. Chandler Reed, Boothbay Harbor.

In the Maine woods. (latest ed.) Bangor and Aroostock R. R. Bangor. Write for price. Also other publications.

Lakes and woods of Maine. 1917. Maine central R. R. Portland. Also other publications.

Malay States, Federated

Federated Malay states railways. 1914. Distributed by Pacific mail S. S. co. 508 California st. San Francisco, Cal.

See also Mining and Rubber in list of Industries and commercial products.

Manchuria

Chosen and Manchuria; economic outlines. 1918. Bank of Chosen, 120 Broadway, N. Y.

Manitoba

Pictorial Manitoba. 1917 (?) Dep't of agric. and immigration, 439 Main st. Winnipeg. Also other publications and a Map of Manitoba. 1918. Scale 12½ miles to 1 inch. Distributes Opportunities in Manitoba. c1919.

Power, the dynamic force behind Winnipeg's growth. 1919 (?) Board of trade, inc. Winnipeg. Also other publications.

Resources and characteristics of northern Manitoba by C. M. Campbell. 1919. Office of commissioner of northern Manitoba, The Pas. Also publishes Mining and mineral prospects in northern Manitoba by R. C. Wallace. n. d.

Maryland

The advantages of Baltimore as a trade center by Robert J. Beacham. n. d. Merchant's and manufacturers' ass'n, Baltimore.

Baltimore, port, terminal, and general business advantages. n. d. Municipal factory site commission, City hall, Baltimore. Also other publications.

Port of Baltimore; modern facilities and terminal advantages. 1918. Harbor board, Baltimore.

Summer resorts in the Blue Ridge and Alleghany mountains. n. d. Philadelphia and Reading R. R. Philadelphia, Pa.

Massachusetts

Albany to Boston. n. d. Boston and Albany R. R. Bost.

Annual rep't. (latest) Commission on waterways and public lands. Bost.

The report for 1918 contains a map of Boston inner harbor.

Facts and figures about Fall River, Mass. n. d. Chamber of commerce, Fall River.

The Haverhill book. n. d. Chamber of commerce, Haverhill.

Pittsfield, Massachusetts. n. d. Chamber of commerce, Pittsfield.

The port of Boston. c1916. Nat'l Shawmut bank of Bost. Bost.

Mediterranean

The Mediterranean by Dwight L. Elmendorf. 1915. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

See also names of countries bordering on Mediterranean, e. g. Italy.

Mesa Verde National Park

Excavation and repair of Sun temple, Mesa Verde national park by J. W. Fewkes. 1916. Interior dep't, Wash. Write for price to Sup't of doc. Wash.

"The Sun temple shows the best masonry and is the most mysterious structure yet discovered in this park."

General information regarding Mesa Verde national park. (annual) Interior dep't, Wash.

Contains bibliography.

Panoramic view of Mesa Verde national park. 1915. Write for price to Sup't of doc. Wash.

22½ by 19 inches; scale, three-fourths mile to the inch.

The prehistoric cliff dwellings. n. d. Denver and Rio Grande R. R. Denver. Also other publications.

Topographic map of Mesa Verde national park. Geol. sur. Wash. Write for price.

31 by 46 inches; scale, ½ mile to the inch.

Mexico

Map of Mexico. 1916. Army war college, Wash. Write for price to Sup't of doc. Wash.

31 by 43 inches; scale 50 miles to the inch. Shows all railroads, towns, cities and villages of any importance.

Mexico—*Continued.*

Mexico by Frederick Palmer. 1914. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Mexico; general descriptive data. (latest ed.) Pan Amer. union, Wash. Also publishes Commerce of Mexico (latest ed.) and Mexico, the city of palaces; reprinted from the Pan Amer. union bull. Apr. 1918. Also distributes map prepared in War college div. of the War dep't. 1915. Size 34 by 47 in. Write for price. Also other publications.

Requests for these publications must be made through a U. S. senator or member of congress.

MICHIGAN

Cloverland. n. d. Upper peninsula development bur. Marquette. Also furnishes maps.

Greater Saginaw. 1912. Saginaw daily news. Distributed by Board of commerce, Saginaw.

Map of the surface geology or soils of northern peninsula of Michigan. Geol. sur. Lansing. Also a Map of the surface geology or soils of southern peninsula of Michigan.

Northeastern Michigan. (monthly) Northeastern Michigan development bur. Bay City. Also other publications.

Saulte Ste Marie. n. d. Civic and commercial ass'n, Saulte Ste Marie.

Western Michigan. 1918. Western Michigan development bur. Grand Rapids. Also other publications.

MINNESOTA

Duluth, ocean port of Minnesota and the great Northwest. n. d. Commercial club, Duluth; also publishes a guide to Duluth. n. d. and The climate of Duluth by H. W. Richardson. n. d. and other publications.

Minnesota. n. d. Northern Pacific R. R. St Paul. Also other publications.

Minnesota by counties. 1918 (?) State board of immigration, St Paul. Also publishes pamphlets on different sections of the state, Central Minnesota. n. d. Northeastern Minnesota. n. d. Northwestern Minnesota. n. d. Southern Minnesota. n. d. and a map.

Northern Minnesota. n. d. Great northern R. R. St Paul. Also other publications.

A trip worth while. 1915. Duluth, Missabe and northern R. R. Duluth.

Mississippi

Mississippi. n. d. Distributed by Louisville and Nashville R. R. Louisville, Ky.

Mississippi, its geology, geography, soil and mineral resources. Bull. 14. 1919. Geol. sur. Jackson.
Sent for postage.

Mississippi River

The Mississippi river by Albert B. Hart. 1918. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Missouri

Kansas City is the heart of America. n. d. Chamber of commerce, Kansas City. Also other publications.

Missouri, folder. n. d. Rock Island lines, Chic.

St Joseph, Missouri. n. d. Commerce club, St Joseph. Also other publications.
Folder of pictures.

Montana

Great Falls and Cascade county. 1919. Commercial club, Great Falls. Also other publications.

Helena, Montana; a rich spot on earth. n. d. Commercial club, Helena. Also other publications.

Missoula the city of the five valleys. 1918. Chamber of commerce, Missoula.

Montana, the land of independence. n. d. Great northern R. R. St Paul. Also other publications.

Montana, the treasure state. n. d. Northern Pacific R. R. St Paul. Also other publications.

Resources of Montana, the land of opportunity. 1919. Dep't of agric. and publicity, Helena. Also publishes Montana, vacation land. 1919, and other publications.
See also Glacier national park, Yellowstone national park, and Copper ores and Gold mining in list of Industries and commercial products.

Morocco

Atlas P. L. M. Morocco. n. d. Paris-Lyon-Mediterranean R. R. 281 Fifth ave. N. Y.

Mount Rainier National Park

Forests of Mount Rainier national park by G. F. Allen. 1916. Interior dep't, Wash. Write for price to Sup't of doc. Wash.

General information regarding Mount Rainier national park. (annual) Nat'l park service, Wash.

Contains bibliography.

Mount Ranier and its glaciers by F. E. Matthes. 1914. Interior dep't, Wash. Write for price to Sup't of doc. Wash.

"This pamphlet contains a general account of the glaciers of Mount Rainier and of the development of the valleys and basins surrounding the peak."

Mt Rainier national park, Washington. n. d. Distributed by Oregon-Washington R. R. and navigation co. Portland, Ore.

Mount Rainier national park by Belmore Browne. 1918. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Panoramic view of Mount Rainier national park. For price write to Sup't of doc. Wash.

19 by 20 inches; scale 1 mile to the inch.

Topographic map of Mount Rainier national park. Geol. sur. Wash. Write for price.

22 by 23 inches; scale 1 mile to the inch.

National Parks and Reserves

Glimpses of our national parks by Robert S. Yard. 1916. Interior dep't, Wash.

"Contains descriptions of the most important features of the principal national parks and the Grand canyon of the Colorado."

National parks portfolio by Robert S. Yard. 1917. Dep't of interior, Wash. Write for price to Sup't of doc. Wash.

Contains 9 sections, a pamphlet on Yellowstone, Yosemite, Sequoia, Mount Rainier, Crater lake, Mesa Verde, Glacier and Rocky mountain national parks and Grand canyon national monument.

Our national parks. Journal of geography, June 1913. Journal of geography, Broadway at 156th st. N. Y. Write for price.

See also names of parks, e. g. Yosemite national park.

Nebraska

Nebraska resources and industries. Bull. 14. 1920. Conservation and soil sur. Sta. A. Lincoln.

See also Packing industry in list of Industries and commercial products.

Netherlands

Economic aspects of the commerce and industry of the Netherlands 1912-1918 by Blaine F. Moore. 1919. Misc. ser. 91. Bur. of foreign and domestic commerce, Wash. Write for price to Sup't of doc. Wash.

Holland by Dwight L. Elmendorf. 1914. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

See also Dutch East Indies and Foreign and domestic trade in Miscellaneous list.

Nevada

Nevada newsletter. 1920. Distributed by Commercial club, Reno. Also other publicatinos.

Notes on some mining districts in eastern Nevada by James M. Hill. 1916. Bull. 648. Geol. sur. Wash. Write for price to Sup't of doc. Wash.

New Brunswick

Opportunities in New Brunswick. 1918. Dep't of agric. Fredericton. Also other publications.

New England

Along New England shores north and east of Boston. n. d. N. Y. New Haven and Hartford R. R. Bost. Also other publications including a map. 1919. Also distributed by Boston and Maine R. R. North sta. Bost.

See also names of states, e. g. Massachusetts.

New Hampshire

The White mountains of vacation land. n. d. Boston and Maine R. R. North sta. Bost. Also other publications.

New Jersey

Atlantic city, the playground of the world, folder. c1919. Publicity bur. Atlantic City.

New Jersey state map. Div. of geol. Trenton. Write for price.

Scale, 4 miles to the inch. Shows contour lines and county and municipality boundaries in colors. Also other maps.

New Mexico

Around the circle by Edwin L. Sabin. n. d. Denver and Rio Grande R. R. Denver. Also publishes Beautiful historical Taos, a wonderland for tourists. n. d. and other publications.

New Mexico—*Continued.*

Deming, New Mexico, and the Mimbres valley by Edmund Mitchell. n. d. Chamber of commerce, Deming. Also other publications.

Did you know this about Las Vegas and New Mexico? n. d. Commercial club, East Las Vegas.

A guide to New Mexico. 1919. State land office, Santa Fe.

Old-new Santa Fe and round about. n. d. Santa Fe, 1118 Railway exchange, Chic.

New South Wales

The limestone caves of New South Wales, Australia. 1915. Distributed by Union S. S. co. of N. Z. ltd, 230 California st. San Francisco, Cal. Also other publications.

New York

Adirondacks and Thousand islands, n. d. N. Y. central R. R. N. Y.

Albany, N. Y. n. d. Chamber of commerce, Albany. Also other publications.

Annual report. 1918. N. Y. dock co. 44 Whitehall st. N. Y.

Contains bird's-eye view of upper N. Y. bay showing rail connections.

Atlas of New York city and the metropolitan district. c1916. Norton Lilly and co. 26 Beaver st. N. Y.

The beautiful finger lakes. n. d. Distributed by Board of commerce, Ithaca.

The canal system of N. Y. state. 1917. Sup't of public works, Albany. Also other publications. Distributes Canal map of the state of N. Y. 1919.

The cathedral of commerce. c1917. F. W. Woolworth co. Woolworth bldg, N. Y.

Describes the Woolworth building, the highest building in the world, giving views of New York city from the observation tower.

The Catskill mountains. c1894. Ulster and Delaware R. R. Kingston.

Colored bird's-eye view showing Niagara falls and gorge. Niagara gorge R. R. co. Niagara Falls. Also picture of the whirlpool rapids and folder.

Come to Rochester, N. Y. n. d. Chamber of commerce. Also other publications.

New York—*Continued.*

The electro chemical industries of Niagara Falls. 1919. Chamber of commerce, Niagara Falls. Also distributes other publications.

New York number, Journal of geography, Mar. 1912. Journal of geography, Broadway at 156th st. N. Y. Write for price.

Niagara to the sea. 1919. Canada S. S. lines ltd, Montreal, Can.

Preservation of Niagara falls. 1911. 62nd cong. 2nd sess. H. doc. 246. Write for price to Sup't of doc. Wash.

Rate of recession of Niagara falls by G. K. Gilbert. 1907. Bull. 306, Geol. sur. Wash. Write for price to Sup't of doc. Wash.

The story of the Hudson by Albert B. Hart. 1917. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Syracuse bids you welcome. n. d. Chamber of commerce, Syracuse.

Up the Hudson. n. d. Central Hudson S. S. co. Newburgh.

Your stupendous New York; its strategic center. ©1915. Central mercantile ass'n, 111 Fifth ave. N. Y.

The wonders of Niagara. n. d. Shredded wheat co. Niagara Falls. Write for price.

New Zealand

Handbook on the dominion of New Zealand. pt 1. 1919. Oversea settlement office, 59 Victoria st. Lond. S. W. I.

Trading with Australasia. ©1919. Guaranty trust co. of N. Y. 140 Broadway, N. Y.

Year book. 1919. Harbour board, Wellington.

See also Meat and Wool in list of Industries and commercial products.

Newfoundland

Commerce and industries of Canada and Newfoundland by A. G. Robinson. 1913. Special agents' ser. 76. Foreign and domestic commerce bur. Wash. Write for price to Sup't of doc. Wash.

Handbook on Newfoundland. 1919. Oversea settlement office, 59 Victoria st. Lond. S. W. I.

NICARAGUA

Nicaragua; general descriptive data. (latest ed.) Pan American union, Wash. Also publishes Commerce of Nicaragua. (latest ed.) Also other publications.

Requests for these publications must be made through a U. S. senator or member of congress.

NORTH CAROLINA

Asheville, America's beauty spot. n. d. Board of trade, Asheville. Also other publications including a map.

Charlotte, North Carolina. 1917. Chamber of commerce, Charlotte. Also other publications.

North Carolina. n. d. Distributed by Seaboard air line R. R. co. Norfolk, Va.

Vacation days in the summitlands of the Blue Ridge and Cumberland mountains. n. d. Carolina, Clinchfield and Ohio R. R. Johnson City, Tenn.

See also Cotton, Pecan, Tobacco in list of Industries and commercial products.

NORTH DAKOTA

Fargo, the biggest little city in the world. n. d. Commercial club, Fargo.

North and South Dakota. n. d. Chic. Milwaukee and St Paul R. R. co. Chic.

North Dakota. n. d. Great northern R. R. St Paul, Minn.

North Dakota n. d. Northern Pacific R. R. St Paul, Minn. Also other publications.

North Dakota; its resources and its opportunities. (monthly) Dep't of immigration, Bismarck. Also distributes a map of the state. 1918 (?).

NORTHWEST (CANADA)

Canada, west. n. d. Dep't of immigration and colonization, Ottawa, Canada.

The Canadian northern Rockies through the Yellowhead pass. n. d. Canadian nat'l R. R. 64 W. Adams st. Chic.

The western provinces of Canada. n. d. Canadian Pacific R. R. 140 S. Clark st. Chic. Also other publications.

See also Rocky mountains—Canadian Rockies.

The Northwest (U. S.)

Eastward through the storied northwest. n. d. Northern Pacific R. R. St Paul, Minn. Also other publications.

The Pacific northwest and Alaska. n. d. Union Pacific R. R. Omaha, Neb.

See also Cod, Salmon in list of Industries and commercial products.

Norway

Bennett's travel in Norway. (latest ed.) Distributed by Scandinavian-Amer. line. 1 Broadway, N. Y. Also distributes Traveller's guide. n. d.

Bulletin. (monthly) Norwegian Amer. chamber of commerce. 17 State st. N. Y.

To Norway and in Norway. n. d. Norwegian America line, 115 South Dearborn st. Chic.

See also Erik J. Mordt and co. in list of Photographs, lantern slides, and moving pictures.

Nova Scotia

Nova Scotia by Ruth Kedzie Wood. 1920. Mentor ass'n, inc. 114-116 E. 16th st. N. Y. Write for price.

Opportunities in Nova Scotia. (latest ed.) Dep't of agric. Halifax. Also other publications.

Storied Halifax. n. d. Canadian nat'l R. R. 64 W. Adams st. Chic.

Vacation days in Nova Scotia, the land of Evangeline. n. d. Dominion Atlantic R. R. co. Halifax.

Ohio

Akron, city of opportunity. n. d. Chamber of commerce, Akron. Also publishes a monthly bulletin.

Cincinnati; where to go, what to see, how to get there. n. d. Chamber of commerce, Cincinnati. Also other publications.

Cleveland, sixth city. n. d. Convention board, Chamber of commerce, Cleveland.

Expects to publish in the fall of 1920 a series of 25 pamphlets descriptive of the industries of Cleveland.

Facts concerning Youngstown, Ohio. n. d. Chamber of commerce, Youngstown.

Springfield, Ohio. n. d. Chamber of commerce, Springfield. Also other publications.

Ohio—*Continued.*

Toledo, illustrated by John Albert Seaford. n. d. Commerce club, Toledo.

See also Tobacco in list of Industries and commercial products.

Ohio River

The Ohio river by Albert B. Hart. 1920. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Oklahoma

Ardmore. 1919 (?) Chamber of commerce, Ardmore.

Eastern Oklahoma. 1919. Kansas City southern R. R. Kansas City, Mo.

The Guthrie index. n. d. Chamber of commerce, Guthrie.

Handbook on the natural resources of Oklahoma by C. W. Shannon. 1916. Geol. sur. Norman. Postage 2c.

Also publishes geography of Oklahoma. Bull. 27. 1917. Postage 10c.

Oklahoma; folder. n. d. Rock Island lines, Chic. Also other publications.

See also Platt national park.

Ontario

A district created for manufacturers. n. d. Toronto harbor commissioners, Toronto.

Hamilton, Ontario; Canada's manufacturing and distributing center. n. d. Commissioner of industries and publicity, Hamilton. Also other publications.

Handbook of Ontario. 1920. Bur. of colonization, Parliament buildings, Toronto. Also publishes Northern Ontario, Canada. 1919 and distributes a Map of the province; scale 35 miles to the inch.

Opportunities in Ontario. (latest ed.) Dep't of agric. Toronto. Also distributed by Bur. of colonization, Parliament buildings, Toronto.

Oregon

Annual rep't. Commission of public docks. Portland.

The rep't for 1919 is supplemented by an industrial map showing location of port facilities and principal industries with rail connections.

Oregon—*Continued.*

Astoria, Clatsop county, Oregon. c1919. Chamber of commerce, Astoria.

Morrow county, Oregon. n. d. Commercial club, Heppner.

Oregon. n. d. Great northern R. R. St Paul, Minn.

Oregon for the homeseeker. n. d. Northern Pacific R. R. St Paul, Minn.

Portland, Oregon. n. d. Chamber of commerce, Portland. Also other publications.

The salient features of the geology of Oregon by W. D. Smith and E. L. Packard. 1919. Bull. v. 16 no. 7. Univ. of Oregon. Eugene. Also other publications.

Bibliography

Pacific states; list of publications for sale. 1918. Sup't of doc. Wash.

Periodicals

The mineral resources of Oregon. Oregon bur. of mines and geology, 417 Oregon bldg, Portland.

See also Crater lake national park and Lumbering in list of Industries and commercial products.

THE ORIENT

From Japan and the Orient to America and Europe, folder. n. d. Toyo Kisen Kaisha, 165 Broadway, N. Y.

PALESTINE

The holy land by Dwight L. Elmendorf. 1915. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

PANAMA

Panama; general descriptive data. (latest ed.) Pan Amer. union, Wash. Also publishes Commerce of Panama. (latest ed.)

Requests for these publications must be made through a U. S. senator or member of congress.

PANAMA CANAL

Illustrated handbook of the Panama canal. n. d. Norton, Lilly and co. 26 Beaver st. N. Y.

Official handbook of the Panama canal. In preparation Mar. 1920. Chief of office, Panama Canal, Wash.

"Issues from time to time circulars and pamphlets descriptive of the canal."

Panama Canal—*Continued.*

The story of Panama by Stephen Bonsal. 1913. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

PARAGUAY

Paraguay; general descriptive data. (latest ed.) Pan Amer. union, Wash. Also publishes Commerce of Paraguay. (latest ed.) and Asuncion, Paraguay's interesting capital; reprinted from Pan Amer. union bull. Oct. 1918.

Requests for these publications must be made through a U. S. senator or member of congress.

PENNSYLVANIA

A friendly guide-book to Philadelphia. c1917. John Wanamaker, Phil.

Contains map.

Harrisburg, the heart of distribution. n. d. Chamber of commerce, Harrisburg. Also other publications.

Industrial Reading in beautiful Berks. n. d. Chamber of commerce, Reading.

Strangers directory of Philadelphia. n. d. Distributed by Chamber of commerce, Phil. Publishes Rep't of the committee on merchant marine. 1919, giving information in regard to Philadelphia as a port.

The Philadelphia chamber of commerce also issues a number of educational pamphlets on the industries of Philadelphia and adjoining territory and has others in preparation; these are listed in the section Industries and commercial products under Candy, Department stores, Gas manufacture and works, Locomotives, Market gardening, Milk, Paint, Paper box industry, Rubber, Rugs, and Telephone.

Valley Forge on the Reading. n. d. Phil. and Reading R. R. Phil. Also other publications including Gettysburg, n. d. and other publications.

See also Candy, Department stores, Gas manufacture and works, Locomotives, Market gardening, Milk, Paint, Paper box industry, Rugs, Telephone in list of Industries and commercial products.

PERU

Peru; general descriptive data. (latest ed.) Pan Amer. union, Wash. Also publishes Commerce of Peru (latest ed.) and Lima the city of the kings; reprinted from Pan Amer. bull. Mar. 1918. Also other publications.

Requests for these publications must be made through a U. S. senator or member of congress.

Peru—*Continued.*

Peru by E. M. Newman. 1917. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Philippine Islands

An ancient people and their problems. n. d. Philippine press bur. 552 Munsey bldg, Wash.

Reprinted from Ladies home journal.

The Philippine islands by Dean C. Worcester. 1915. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Superfine service through Seattle, Japan, China to Manila. n. d. Nippon Yusen Kaisha, 409 Colman bldg, Seattle, Wash. Also distributed by Cunard S. S. co. ltd, 21-24 State st. N. Y.

Bibliography

Insular possessions and Cuba; list of publications. 1919. Sup't of doc. Wash.

See also Cocoanuts, Hemp, Plants, Rice, Sugar, Tobacco in list of Industries and commercial products.

Platt National Park

Topographic map shown on Stonewall map. Geol. sur. Wash. Write for price.

Scale about 2 miles to 1 inch.

Poland

Poland, old and new by Ruth Kedzie Wood. 1920. Crowell publishing co. 114 E. 16th st. N. Y. Write for price.

Porto Rico

General information; the island of Porto Rico. n. d. Red D line of steamships, 82 Wall st. N. Y.

Porto Rico by Dwight L. Elmendorf. 1920. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

To and around tropical Porto Rico. 1919. N. Y. and Porto Rico S. S. co. 11 Broadway, N. Y.

Bibliography

Insular possessions and Cuba; list of publications. 1919. Sup't of doc. Wash.

Prince Edward Island

Opportunities in Prince Edward Island (latest ed.) Dep't of agric. Charlottetown.

Prince Edward Island. n. d. Canadian nat'l R. R. 64 W. Adams st. Chic.

Quebec

Illustrated description of the city of Quebec and the surrounding country. n. d. Quebec central R. R. Sherbrooke.

Opportunities in Quebec. (latest ed.) Dep't of agric. Quebec.

See also Wood using industries in list of Industries and commercial products.

Queensland

The pocket Queensland. 1919. Intelligence and tourist bur. of Queensland. Brisbane. Also other publications.

Terse information about Queensland. 1918. Distributed by the Sec'y to the agent general for Queensland, 409-410 Strand, Lond. W. C.

Rainier National Park

See Mount Rainier national park.

Rhodesia

Guide to Rhodesia. 1914. Distributed by Norton, Lilly and co. 26 Beaver st. N. Y.

Handbook on the union of South Africa and Rhodesia. pt 1. 1919. Oversea settlement office, 59 Victoria st. Lond. S. W. I.

Rhodesia. 1918. British South Africa co. 2 London wall bldgs, Lond. E. C. 2. Also other publications.

Rocky Mountain National Park

General information regarding Rocky mountain national park. (annual) Nat'l park service, Wash.

Contains bibliography.

The geological story of Rocky mountain national park by Willis T. Lee. 1917. Nat'l park service, Wash. Write for price to Sup't of doc. Wash.

Mountaineering in the Rocky Mountain national park by Roger W. Toll. 1919. Nat'l park service, Wash. Write for price to Sup't of doc. Wash.

Map in pocket.

Rocky Mountain National Park—*Continued.*

Panoramic view of Rocky Mountain national park. Write for price to Sup't of doc. Wash.
14 by 17 inches; scale 2 miles to the inch.

Rocky Mountain national park. n. d. Union Pacific R. R. co. Omaha, Neb.

Rocky Mountain national park, Colorado. 1920 (reprint) Burlington route, Chic.

Topographic map of Longs Peak quadrangle. Geol. sur. Wash. Write for price.
13½ by 17½ inches; scale 2 miles to the inch.

Rocky Mountains—Canadian Rockies

The Canadian Rockies by Ruth Kedzie Wood. 1917. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

The Canadian Rockies, Mount Robson route. n. d. Grand trunk Pacific, Winnipeg, Man.

Roumania

Roumania by H. R. Burton. c1919. H. R. Burton, Union trust bldg, Wash.

Russia

Russia the American problem. n. d. Amer.-Russian chamber of commerce, 233 Broadway, N. Y. Also other publications.

The story of Russia by Leo Pasvolsky. 1917. Mentor ass'n, inc. 114 E. 16th st, N. Y. Write for price.
See also Ukraine.

St Lawrence River

The St Lawrence river by Ruth K. Wood. 1919. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Salvador

Salvador; general descriptive data. (latest ed.) Pan Amer. union, Wash. Also publishes El Salvador of the magic table lands; reprinted from the Pan Amer. union bull. Jan. 1918. Also other publications.

Requests for these publications must be made through a U. S. senator or member of congress.

Sand Dunes National Park

Report on the proposed Sand dunes national park, Indiana by Stephen T. Mather. Nat'l park service, Wash. Write for price to Sup't of doc. Wash.

Saskatchewan

Opportunities in Saskatchewan. (latest ed.) Dep't of agric. Regina.

Scandinavia

Scandinavia and its trade opportunities. c1919. Nat'l Shawmut bank of Bost. Bost.

See also Norway.

Scotland

Scotland, the land of song and scenery by Dwight L. Elmendorf. 1913. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

The traveller's guide. n. d. Scandinavian-Amer. line, 1 Broadway, N. Y.

Description of Edinburgh.

Sequoia National Park

Forests of Yosemite, Sequoia, and General Grant national parks by C. L. Hill. 1916. Interior dep't, Wash. Write for price to Sup't of doc. Wash.

General information regarding Sequoia and General Grant national parks. (annual) Nat'l park service, Wash.

Contains bibliography.

Sequoia and General Grant national parks, California. 1919. Southern Pacific lines, 65 Market st. San Francisco, Cal.

Topographic maps of Sequoia national park. Geol. sur. Wash. Write for price.

Mapped on the Tehipite and Kaweah quadrangles, scale 2 miles to the inch.

See also Big trees in Miscellaneous list.

The South (U. S.)

Opportunities in the south; address delivered Nov. 12, 1918 by H. T. Cory. Southern Pine ass'n, New Orleans, La. Also other publications.

South Africa

Handbook on the union of South Africa and Rhodesia, pt 1. 1919. Oversea settlement office, 59 Victoria st. Lond. S. W. I.

South America

Immediate trade opportunities in South America by Challen R. Parker. 1919. Guaranty trust co. of N. Y. 140 Broadway, N. Y.

Scenic wonders of South America by Annie S. Peck. 1920. Mentor ass'n, inc. 114-116 E. 16th st. N. Y. Write for price.

Seeing South America. 1919. Pan Amer. union, Wash. Write for price.

"Principal routes, larger cities, natural wonders, time required, approximate cost and other condensed information for prospective travelers." Also publishes Glances at ports and harbors around South America and A new gateway to the heart of South America; both reprints from the Pan Amer. union bull. Requests for these publications must be made through a U. S. senator or member of congress.

South America. n. d. Lampert and Holt line, 42 Broadway, N. Y.

South America as an export field by Otto Wilson. 1914. Special agents ser. 81. Bur. of foreign and domestic commerce, Wash. Write for price to Sup't of doc. Wash.

Gives a brief description of the industrial and commercial geography of the different countries of South America.

See also names of countries, e. g. Chile and Coal, Meat, Petroleum, Platinum, Rice, Sulphur, and Yerba Mate in list of Industries and commercial products.

South Australia

South Australia; handbook of information. ed. 3. n. d. Intelligence and tourist bur. Adelaide. Also other publications.

South Carolina

Charleston, the plumb line port to Panama, folder. n. d. Chamber of commerce, Charleston. Also other publications.

South Carolina. n. d. U. S. Railroad administration. Distributed by Dep't of agric. commerce and industries, Columbia. Also publishes a Yearbook and annual report. The booklet on South Carolina is also distributed by Seaboard air line R. R. co. Norfolk, Va.

South Dakota

The Black hills of South Dakota. n. d. Burlington route, Chic.

The geography of South Dakota by S. S. Visher. 1918. State geol. and natural history sur. Vermilion. Postage 10c.

North and South Dakota. n. d. Chic. Milwaukee and St Paul R. R. co. Chic.

South Dakota, a plain official story of its resources and opportunities. 2 booklets. n. d. Dep't of immigration, Pierre.
One booklet describes the counties of the northeastern part of the state and the other the counties of the western half. Also other publications.

See also Wind cave national park.

South Sea Islands

Tours to the South Sea islands, Tongo, Samoa, Fiji. n. d. Union S. S. co. of N. Z. ltd, 230 California st. San Francisco, Cal.

Spain

Days in Spain. n. d. Cunard S. S. co. ltd, 21-24 State st. N. Y.

Spain and Gibralter by Dwight L. Elmendorf. 1913. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Sweden

Traveller's guide. n. d. Scandinavian-Amer. line, 1 Broadway, N. Y.

Switzerland

Bernese Oberland, the gem of Alpine countries, folder. 1914. Oberland traffic ass'n, Interlaken. Also other publications.

The economic position of Switzerland during the war by Louis A. Rufener. 1919. Misc. ser. 90. Bur. of foreign and domestic commerce, Wash. Write for price to Sup't of doc. Wash.

Switzerland, the land of scenic splendors by Dwight L. Elmendorf. 1913. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Tasmania

Tasmania; crown lands guide. 1909. Dep't of lands and surveys, Hobart.

Tennessee

Eight pages of Chattanooga. n. d. Chamber of commerce, Chattanooga. Also other publications.

Knoxville, Tennessee, the logical and proper location for the U. S. armor plate plant, a brief. 1916. Board of commerce, Knoxville.

Memphis, advantages, resources and opportunities. n. d. Chamber of commerce, Memphis. Also other publications.

Tennessee. n. d. Distributed by Louisville and Nashville R. R. Louisville, Ky.

Tennessee, the new land of Canaan. n. d. Dep't of agric. Nashville. Also publishes a map of Tennessee showing agricultural and mineral resources, population and educational statistics, 1912, and other publications.

Vacation days in the summitlands of the Blue Ridge and Cumberland mountains. n. d. Carolina, Clinchfield and Ohio R. R. Johnson City.

Texas

Beaumont. (monthly) Chamber of commerce, Beaumont.

East Texas; its topography, soils, timber, agricultural products, people, rainfall, streams, climate, etc. by R. T. Milner. 1914. Bull. 38, Dep't of agric. Austin.

El Paso, what it is and why. n. d. Chamber of commerce, El Paso. Also other publications.

Fort Worth and the billion dollar circle. 1920. Chamber of commerce, Fort Worth.

The panhandle and plains region of Texas and its possibilities. n. d. Board of city development, Amarillo. Also other publications.

Progressive Austin. n. d. Chamber of commerce, Austin.

Review of city of Houston for 1919 will shortly be published. Letter Apr. 24, 1920. Chamber of commerce, Houston.

San Antonio. n. d. Chamber of commerce and business men's club, inc. San Antonio. Also other publications.

A tale of two cities. n. d. Board of trade, Texarkana. Also other publications.

Texas along the Cotton belt route. n. d. Cotton belt route, St Louis, Mo.

Texas, an agricultural empire. n. d. Rock Island lines, Chic. Also other publications.

Texas—*Continued.*

Texas, farm opportunities. 1919 (?) San Antonio and Aransas pass R. R. San Antonio. Also distributed by Missouri, Kansas and Texas R. R. St Louis, Mo. and by Rock Island lines. Chic.

West Louisiana, east Texas and gulf coast. 1919 (?) Kansas City southern R. R. co. Kansas City, Mo.

See also Pecan, Rice in list of Industries and commercial products.

TRINIDAD

The wonderland of Trinidad. n. d. Barber asphalt paving co. Land title bldg, Phil.

UKRAINE

Ukraine on the road to freedom. 1919. Ukrainian nat'l committee of the U. S. 30 E. Seventh st. N. Y. Also other publications.

Selection of articles concerning the Ukrainian people in Europe.

UNITED STATES

Lake Superior to the sea by Garnault Agassiz. n. d. Canada S. S. lines ltd, Montreal, Canada. Also distributed by Mortimer Broaddus, 605 Merchants loan and trust bldg, Chic.

Maps of different states showing the state capital, county seats, railroads, canals, county boundaries, swamp and prairie lands, bird reservations, Indian reservations, and life-saving stations. Excepting Alaska, they are on a scale of 12 miles to the inch. Write for price to Sup't of doc. Wash.

Alabama. 1915.
Alaska. 1917. Scale 40 mi. to the inch.
Arizona. 1912.
Arkansas. 1914.
California. 1913. 2 sheets.
Colorado. 1910.
Florida. 1911.
Hawaii. 1901.
Idaho. 1913.
Illinois. 1911.
Indiana. 1916.
Iowa. 1917.
Kansas. 1912.
Louisiana. 1916.
Michigan. 1904.
Minnesota. 1905.
Mississippi. 1915.
Missouri. 1911.
Montana. 1917.
Nebraska. 1909.
Nevada. 1914.
New Mexico. 1912.
North Dakota. 1910.
Ohio. 1910.
Oklahoma. 1914.
Oregon. 1910.
South Dakota. 1918.
Utah. 1915.
Wisconsin. 1912.
Wyoming. 1912.

Maps of the U. S. issued by the Geol. sur. Wash. with wide range in price. Also maps of the different states. Send for list.

United States—*Continued.*

National highways map of the U. S. showing 100,000 miles of national highways proposed by Nat'l highways ass'n. n. d. Nat'l highways ass'n, Wash.

Also publishes many state maps and maps showing the national highways.

The rediscovery of America. 1917 (?) Newman travel talks. Tribune bldg, Chic.

Has some good pictures.

Rural route maps.

"The maps are published in two forms, one giving simply the rural free delivery routes starting from a single given post office; the other the rural free delivery routes in an entire county. In both forms not only the rural route is given, but also roads, rivers, creeks, schools, churches, and even the residences of people living along the lines of the routes; in fact everything in the nature of a landmark. They are on the uniform scale of an inch to a mile. These maps are sold by the Third assistant postmaster general, Finance div. Post office dep't, Wash. Write for list.

Supplements to the Abstract of the thirteenth census of the United States, 1910. 1914. Census bur. Wash. Write for price to Sup't of doc. Wash.

These supplements give the statistics of each of the states.

Announcement concerning publication of fourteenth census statistics from Monthly list of publications issued by the Dep't of commerce, 31 May, 1920.

"*Population*—Bulletins will be published for each State, giving population by counties, cities, towns, and smaller civil divisions. First of these bulletins will be issued in June, and it is expected to have bulletins for all states issued by end of calendar year. At present statements are issued daily for the press, giving population of various cities and towns.

Agriculture—It is planned to publish statistics of agriculture, by States, in bulletin form, commencing about July 1 and continuing at rate of four or five a month until statistics for all States have been published. Material will be published for States in the order in which all farm schedules, for each given State, are received.

Manufactures—Census of manufactures taken during 1920 covers operations for year ended December 31, 1919. Preliminary press summaries will be issued for cities and States and for leading industries, which will be followed by final reports, similar in scope to bulletins of last census of manufactures covering year 1914. Compilation of returns for States and industries represented by comparatively few establishments will be completed first, and press statements for some of them will be published in fall of 1920."

United States—*Continued.*

See also different sections of the country. e. g. The East (U. S.) and names of different states and territories. e. g. Illinois also Linen, Packing industry, Sugar, Tea, Wool, in list of Industries and commercial products, and Foreign and domestic trade, Imports and exports, Land, Maps, Money, Ports, Railroads, Storms in Miscellaneous list.

Uruguay

Bulletin. May 1918. Amer. internat'l corporation. 120 Broadway, N. Y.

Uruguay; general descriptive data. (latest ed.) Pan Amer. union, Wash. Also publishes Commerce of Uruguay (latest ed.) and Montevideo the city of roses; reprinted from the Pan Amer. union bull. Oct. 1917.

Requests for these publications must be made through a U. S. senator or member of congress.

Utah

The climate of Utah by Frank L. West and N. E. Edlefsen. 1919. Bull. 166. Agric. college exp. sta. Logan.

Colorado and Utah Rockies. n. d. Union Pacific R. R. co. Omaha, Neb. Also distributed by Burlington route, Chic. and by Missouri, Pacific R. R. co. Railway exchange bldg, St Louis, Mo.

Ogden canyon. n. d. Publicity bur. Ogden. Also other publications.

Venezuela

Venezuela; general descriptive data. (latest ed.) Pan Amer. union, Wash. Also publishes Commerce of Venezuela. (latest ed.)

Requests for these publications must be made through a U. S. senator or member of congress.

Vermont

Vermont, its resources and opportunities by Walter H. Crockett. c1916. Publicity dep't, Office of sec'y of state, Burlington.

See also Granite industry, Maple, Sugar, Wood using industries, in list of Industries and commercial products.

Victoria

Progressive Victoria and its metropolis. 1915. Distributed by Union S. S. co. of N. Z. ltd, 230 California st. San Francisco, Cal.

Virgin Islands

he Danish West Indies; their resources and commercial importance by H. G. Brock, Philip S. Smith and W. A. Tucker. 1917. Special agents ser. 129. Bur. of foreign and domestic commerce, Wash. Write for price to Sup't of doc. Wash.
"A study of the resources and commercial importance of our new possessions, with special attention to the markets for boots and shoes, electrical goods and textiles."

he Virgin islands by E. M. Newman. 1918. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Virginia

he beautiful caverns of Luray. c1906. Luray caverns corporation, Luray.

andbook of Virginia. 1919. Dep't of agric. and immigration, Richmond.

he historic route for Mount Vernon, Alexandria and Arlington. n. d. Washington-Virginia R. R. co. 1202 Penn. ave. N. W. Wash.

ımmer resorts in the Blue Ridge and Allegheny mountains. n. d. Phil. and Reading R. R. Phil.

Washington (State)

berdeen, Grays harbor county. Washington. U. S. A. n. d. Chamber of commerce, Aberdeen.

earbook. (latest) Port of Seattle commission, Seattle.

eauties of Puget sound, folder. n. d. Puget Sound navigation co. Colman dock. Also other publications.
Contains map of Puget sound.

ıe beauties of the state of Washington. 1916. Bur. of statistics and immigration, Olympia. Also publishes Homeseekers' guide to the state of Washington. 1920, and other publications.

ıstern Washington. n. d. Chic. Milwaukee and St Paul R. R. co. Chic.

ıe richest valley in the world, folder. n. d. Commercial club, Walla Walla, Wash.

attle, the seaport of success. c1919. Publicity bur. Chamber of commerce, Seattle. Also other publications.

okane. n. d. Chamber of commerce. Spokane.

ashington, folder. n. d. Distributed by Oregon-Washington R. R. and navigation co. Portland, Ore.

'ashington (State)—*Continued.*

Washington-Northern Idaho. n. d. Northern Pacific R. R., St Paul, Minn.

The Wenatchee district. n. d. Commercial club, Wenatchee.

Western Washington. n. d. Chic. Milwaukee and St Paul R. R. co. Chic.

Wenatchee, north country. n. d. Great northern R. R. St Paul, Minn. Also other publications.

Yakima valley, Washington. n. d. Yakima commercial club, North Yakima. Also other publications.

Bibliography

Pacific states; list of publications for sale. 1918. Sup't of doc. Wash.

See also Mount Rainier national park and Lumbering in list of Industries and commercial products.

THE WEST (U. S.)

California, spring. 1920. Raymond and Whitcomb co. 152 W. Jackson blvd, Chic.

Four gateways to the Pacific coast. c1917. Southern Pacific lines, 65 Market st. San Francisco, Cal. Also publishes Wayside notes along Ogden route. c1917. Wayside notes along Shasta route. c1917. and Wayside notes along Sunset route. c1920.

To California over the Santa Fe trail by C. A. Higgins. c1915. Santa Fe, Topeka, Kan. Also other publications.

WEST INDIES

Cruises to the tropics. 1920. Thos Cook and son. 254 Broadway, N. Y.

Tours in the West Indies with brief notes on points of interest. 1914. Royal mail steam packet co. 26 Broadway, N. Y.

West Indies as an export field by Garrard Harris. 1917. Special agents ser. 141. Bur. of foreign and domestic commerce, Wash. Write for price to Sup't of doc. Wash.

"Discusses in some detail the physical features of the countries and the distribution of population, their means of communication, agriculture, stock raising, forest resources, manufacturing industries, government and education, banks and banking, foreign commerce, and such other factors as have a direct bearing on business activity."

West Indies—*Continued.*

Takes up Cuba, Jamaica, Haiti, Dominican republic, Porto Rico, Bahama islands, St Kitts and dependencies, Virgin islands, Guadeloupe, Martinique, Windward islands, Barbados, Trinidad, Dutch West Indies.

West Indies cruises. 1920. Amer. express, Advertising dep't, 65 Broadway, N. Y.

West Virginia

The armor plate plant city, Charleston, West Virginia. n. d. Chamber of commerce, Charleston.

Summer resorts in the Blue Ridge and Allegheny mountains. n. d. Phil. and Reading R. R. Phil.

West Virginia. 1918. Dep't of agric. Charleston. Also other publications.

Wind Cave National Park

General information regarding Wind cave national park. (annual) Nat'l park service, Wash.

Contains bibliography.

Topographic maps; shows on Harney Peake and Hermosa maps. Geol. sur. Wash. Write for price.

Scale about 2 miles to 1 inch.

Wisconsin

LaCrosse, Wisconsin. n. d. Chamber of commerce, LaCrosse.

Landology de luxe; a text book of the land situation. c1918. Skidmore land co. Marinette.

Madison, Wisconsin. c1914. Ass'n of commerce, Madison. Also other publications.

Passenger train schedules to Wisconsin's wonderland. 1916. Kewaunee, Green Bay and western R. R. Green Bay.

Contains description and pictures.

Upper Wisconsin. n. d. Chic. Milwaukee and St Paul R. R. co. Chic.

Wisconsin number, Journal of geography. April 1914. Journal of geography, Broadway at 156th st. N. Y. Write for price.

Articles on physical geography, climate, lumbering, agriculture, dairying, minerals, manufactures etc.

See also Hemp in list of Industries and commercial products.

The World

Around the world. n. d. Cunard S. S. co. ltd, 21-24 State st. N. Y.

Don't you want to know more about the world you live in? n. d. Travelogue bur. 104 S. Michigan ave. Chic. Also other publications.
Contains some good pictures.

International map of the world. U. S. section. Bost. including R. I. and portions of N. Y. Conn. Mass. N. H. Me. and N. S. Sheet north K-19. Geol. sur. Wash. Write for price. Foreign sheets for sale by Edward Stanford, ltd. 12-14 Long Acre, W. C. Lond.

New compact atlas of the world showing old and new boundaries. n. d. Norton, Lilly and co. 26 Beaver st. N. Y.

Picturesque travel. 1914. Distributed by J. D. Spreckles and bros co. 2 Pine st. San Francisco, Cal.

Supplements to daily consular and trade reports give commercial information on many countries and cities of different countries, e. g. Greece, Haiti, Shanghai. Issued by Foreign and domestic commerce bur. Wash.

Wyoming

Cheyenne. n. d. Chamber of commerce, Cheyenne.

Ranch life; Buffalo Bill's country, Wyoming. n. d. Burlington route, Chic. Also other publications.

Sheridan and the Sheridan country. n. d. Commercial club, Sheridan. Also other publications.

Wyoming, the state of opportunity. n. d. State board of immigration, Cheyenne. Also other publications.
See also Yellowstone national park.

Yellowstone National Park

Fossil forests of the Yellowstone national park by F. H. Knowlton. 1914. Interior dep't, Wash. Write for price to Sup't of doc. Wash.

General information regarding Yellowstone national park. (annual) Nat'l park service, Wash.
Contains bibliography.

Geological history of the Yellowstone national park by Arnold Hogue. 1912. Interior dep't, Wash. Write for price to Sup't of doc. Wash.

Panoramic view of Yellowstone national park. Write for price to Sup't of doc. Wash.
18 by 21 inches; scale 3 miles to the inch.

Yellowstone National Park—*Continued.*

Topographic map of Yellowstone national park. Geol. sur. Wash. Write for price.

32 by 36 inches; scale 2 miles to the inch.

Yellowstone national park. n. d. Union Pacific R. R. Omaha, Neb.

Yellowstone national park by Dwight L. Elmendorf. 1915. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Yellowstone national park, America's only geyser land. c1914. Northern Pacific R. R. St Paul, Minn.

Yellowstone national park, Wyoming, Montana, Idaho. 1919. Burlington route, Chic.

See also Geysers in Miscellaneous list.

YOSEMITE NATIONAL PARK

General information regarding Yosemite national park. (annual) Nat'l park service, Wash. Also publishes Early history of Yosemite valley. 1919.

Contains bibliography.

Forests of Yosemite, Sequoia, and General Grant national parks by C. L. Hill. 1916. Interior dep't, Wash. Write for price to Sup't of doc. Wash.

Panoramic view of Yosemite national park prepared by J. H. Renshaw. 1914. Write for price to Sup't of doc. Wash.

18½ by 18 inches; scale 3 miles to the inch.

Topographic map of Yosemite national park. Geol. sur. Wash. Write for price. 29 by 31 inches; scale 2 miles to the inch. Also distributes a Map of Yosemite valley. 35 by 15½ inches; scale 2½ miles to one inch.

Sketch of Yosemite national park by F. E. Matthes. 1912. Interior dep't, Wash. Write for price to Sup't of doc. Wash.

Yosemite national park, California. 1919. Southern Pacific lines, 65 Market st. San Francisco, Cal. Also distributed by Missouri Pacific R. R. co. Railway exchange bldg, St Louis, Mo.

The Yosemite valley by Dwight L. Elmendorf. 1916. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

See also Big trees in Miscellaneous list.

INDUSTRIES AND COMMERCIAL PRODUCTS

Before sending for any of these pamphlets please read section of preface entitled How to obtain, on pages 5–6.

Bibliography

Commerce and manufactures, list of publications relating to above subjects for sale. 1918. Sup't of doc. Wash.

Asphalt

The wonderland of Trinidad. n. d. Barber asphalt paving co. Land title bldg, Phil.

Beet Sugar

See Sugar

Binder Twine

Binder twine industry. c1912. Internat'l harvester co. inc. Agric. extension dep't, Harvester bldg, Chic. Write for price. Also other publications.

Books

The biography of a book. n. d. Harper and brothers, N. Y.

The story of the making of a book. c1914. Charles Scribner's sons, N. Y.

Bread

Story of bread. c1911. Internat'l harvester co. inc. Agric. extension dep't, Harvester bldg, Chic. Write for price.

Brick

The story of brick. c1920. Amer. face brick ass'n, 110 S. Dearborn st. Chic.

By-Products

See Waste products.

Candy

The candy making industry in Philadelphia by Ellwood B. Chapman. c1917. Chamber of commerce, Phil.
Presented by Whitman's.

Canning Industry

Canning and how to use canned foods by A. W. Bitting and K. G. Bitting. Ed. 3. c1916. Nat'l canners ass'n, 1739 H st. N. W. Wash. Write for price.

Free to teachers of domestic science.

Methods followed in the commercial canning of foods by A. W. Bitting. 1915. Dep't bull. 196. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

Describes equipment and methods of modern factory, extent of canning industry in U. S. etc.

Carborundum

The man who didn't know when he had failed by F. W. Haskell. n. d. Carborundum co. Niagara Falls, N. Y.

Carpets

Inside facts about our Whittall rugs and carpets. n. d. M. J. Whittall associates, Worcester, Mass.

The making of rugs and carpets.

The rug and carpet industry of Philadelphia by Philip A. Hall. 1917. Chamber of commerce, Phil.

Presented by Hardwick and Magee co.

Cement and Concrete

Cement facts; how Portland cement is made; perfect concrete and how to make it; bulk cement. n. d. Lehigh Portland cement co. Allentown, Pa. Also other publications.

The manufacture of Portland cement by Edward D. Boyer. n. d. Atlas Portland cement co. Commercial exchange bank bldg, Chic. Also other publications.

See also Electricity in industry.

Cereals

See Grain.

Chocolate

Cocoa and chocolate. c1910. Walter Baker and co. ltd. Dorchester, Mass.

Hershey products; how they are made. n. d. Hershey chocolate co. Hershey, Pa.

Citrus Fruits

Concentration in the marketing of citrus fruits by Carson S. Duncan. 1918. Community leaflet 20. Bur. of educ. Wash. Write for price to Sup't of doc. Wash.

The world's production and commerce in citrus fruits and their by-products. 1914. California citrus league, Consolidated realty bldg, Los Angeles, Calif. Also other publications.

See also Lemons.

Coal

Coal products tree, showing the products obtained from coal. c1918. The Koppers co. Pittsburgh, Pa.

Coal resources of the Americas. 1919. Pan-Amer. union, Wash. Reprint from Pan Amer. union bull. Oct. 1918.

Request for this publication must be made through a U. S. senator or member of congress.

Products derived from coal, diagram. c1919. The Barrett co. 705 Laclade gas bldg, St Louis Mo. or 17 Battery place, N. Y.

The story of coal by C. F. Talman. 1918. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

See also Electricity in industry.

Coal Mining

Sullivan ironclad coal cutters for room and pillar and longwall mining. Bull. 73. 1918. Sullivan machinery co. Peoples gas bldg, Chic.

See also Drilling.

Cocoa

Cocoa and chocolate. c1910. Walter Baker and co. ltd. Dorchester, Mass.

Hershey products; how they are made. n. d. Hershey chocolate co. Hershey, Pa.

Cocoanuts

And daily they come—one hundred thousand strong. n. d. Franklin Baker co. Phil.

Cocoanuts in the Philippine islands by H. O. Jacobson. 1914. Bur. of agric. Manila, P. I.

Cod

Pacific cod fisheries by John N. Cobb. 1916. Doc. 830. Bur. of fisheries, Wash. Write for price to Sup't of doc. Wash.

Coffee

Coffee culture around the world; a series of 25 views. n. d. Hills bros, 175 Fremont st. San Francisco, Cal. Also publishes cultivation and preparation of coffee. n. d.

When writing use letterhead of the school.

Coffee planting by William S. Myers. 1908. Children nitrate committee, 25 Madison ave. N. Y.

Coffees, teas, and spices from plantation to dealer. n. d. Dwinell-Wright co. 311-319 Summer st. Bost.

Colloidal Fuel

See Fuel.

Concrete

See Cement and Concrete.

Condensed Milk

See Milk, Condensed.

Conveying Machinery

The scoop conveyor. n. d. Portable machinery co. inc. Passaic, N. J.

Copper Ores

The Anaconda reduction works. c1919. Anaconda copper mining co. Anaconda, Mont. Also publishes Great Falls reduction dep't. 1919.

Cork

Cork, being the story of the origin of cork, the processes employed in its manufacture and its varied uses in the world to-day. c1909. Armstrong cork co. Pittsburgh, Pa.

Corn

Process of manufacture of corn products. Amer. manufacturers' ass'n of products from corn, 208 S. LaSalle st. Chic. Also other publications.

School lessons on corn by C. H. Lane. 1914. Farmers' bull. 617. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

Cotton

Cotton culture in North Carolina. 1912. Bull. 164. Dep't of agric, Raleigh, N. C.

Cotton—*Continued.*

The cultivation of cotton; a short treatise specially bearing on fertilization by William S. Myers. n. d. Chilean nitrate committee, 25 Madison ave. N. Y.

Handling and marketing of the Arizona-Egyptian cotton of the Salt river valley by J. G. Martin. 1915. Dep't bull. 311. Dep't of agric. Wash. Write for price to Sup't of doc. Wash. Also publishes economic conditions in the sea island cotton industry by W. R. Meadows. Dep't bull. 146. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

Improved methods of handling and marketing cotton by Charles J. Brand. 1912. Yearbook separate 605. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

From Yearbook of Dep't of agric. 1912.

Lessons on cotton for the rural common schools by C. H. Lane. 1915. Dep't bull. 294. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

Cotton Gin

Cotton ginning information for farmers by Fred Taylor and others. 1916. Farmers' bull. 764. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

See also Electricity in industry.

Cotton Manufacture

City of Manchester, N. H. and the Amoskeag manufacturing co. c1912. Distributed by Amoskeag mfg co. Manchester, N. H.

Contains pictures of cotton and woolen manufacturing.

Cotton Warehouses

Cotton warehouses; storage facilities now available in the south by R. L. Nixon. 1915. Dep't bull. 216. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

Dates

Dates of Egypt and the Sudan by S. C. Mason. 1915. Dep't bull. 271. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

Description with illustrations of different varieties.

Department Stores

Department stores of Philadelphia by Robert H. Durbin. c1917. Chamber of commerce, Phil.

Presented by Strawbridge and Clothier.

Drilling

Sullivan diamond core drills. Catalogue 69. c1917. Sullivan machinery co. Peoples gas bldg, Chic. Also other publications, illustrating methods in modern prospecting and mining.

Dyes and Dyeing

Making dyes from coal tar by W. R. Macklind. 1917. Community leaflet 5. Bur. of educ. Wash. Write for price to Sup't of doc. Wash.

Electricity in Industry

Bulletins. General electric co. Schenectady, N. Y.

Bull. 4976 Electric drive in grain elevators and flour mills.
Bull. 48012 Electric drive for cotton gins and oil mills.
Bull. 48019 Electric drive in pulp and paper mills.
Bull. 48023 Electricity in quarrying and finishing marble.
Bull. 48024 Electricity in the cane sugar industry.
Bull. 48025 Electricity in logging and saw mills.
Bull. 48026 Electrical equipment for coal, ore and other bulk material handling machinery at docks.
Bull. 48027 Eelectricity in the cement industry.
Bull. A4119 Electricity in the packing industry.
Bull. A4167 Electricity in iron foundries.

Fisheries

Alaska fisheries and fur industries in 1918. 1919. Bur. of fisheries, Wash. Write for price to Sup't of doc. Wash.

See also Cod, Salmon.

Flavoring Extracts

Story of extracts. c1919. McCormick and co. Baltimore, Md. Free to teachers of domestic science.

Flax

Fiber flax by Frank C. Miles. 1915. Farmers' bull. 669. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

Flax for fibre, its cultivation and handling. 1916. Bull. 28. 2nd ser. Exp. farms. Apply to Dep't of agric. Ottawa, Can. Also distributes other publications.

Flour

From wheat to flour and other processes. n. d. Northwestern consolidated milling co, Minneapolis, Minn.
Chart showing 24 samples of wheat in process of manufacture with description of different processes.

The kernel's story; an autobiography. c1905. Pillsbury flour mills co. Minneapolis, Minn.

Making the finest flour in the world. c1912. Bay state milling co. Winona, Minn.

To live, to think, to do by Mildred Fenton. c1914. Sperry flour co. 332 Pine st. San Francisco, Cal. Also other publications.

Wheat and flour primer. n. d. Washburn-Crosby co. Mineapolis, Minn.
Also charts showing dissected wheat kernel and a sectional view of a simplified flour mill.

See also Electricity in industry. Wheat.

Fuel

Colloidal fuel by Lindell T. Bates; address delivered Jan. 13, 1920. L. T. Bates, 71 Broadway, N. Y. Also other publications.
See also Coal.

Fur Farming

Alaska fisheries and fur industries in 1918. 1919. Bur. of fisheries, Wash. Write for price to Sup't of doc. Wash.

Fur farming as a side line by Ned Dearborn. 1916. Yearbook separate 693. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

Silver fox farming in eastern North America by Ned Dearborn. 1915. Dep't bull. 301. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

Gas Manufacture and Works

The manufacture, distribution and use of gas in Philadelphia. c1917. Chamber of commerce, Phil.
Presented by the United gas improvement company.

Glue

The story of glue by Emma T. East. c1919. Romance of big business ser. no. 3. Armour's bur. of agric. research and economics, Union stock yards. Chic. Write for price.

Gold Mining

History and development of gold dredging in Montana by Hennen Jennings. 1916. Bull. 121. Mines bur. Wash. Write for price to Sup't of doc. Wash. Also publishes Gold dredging in the U. S. Bull. 127. Mines bur. Wash. Write for price to Sup't of doc. Wash.

Grain

A little journey to the home of Kellogg's toasted corn flakes. c1916. Kellogg toasted corn flakes co. Battle Creek, Mich.

The wonders of Niagara. n. d. Shredded wheat co. Niagara Falls. Write for price.

Describes manufacture of shredded wheat.

Granite Industry

Barre granite. n. d. Barre quarriers and manufacturers ass'n, Barre, Vt.

Harvest and Harvesting

Harvest scenes of the world. n. d. Internat'l harvester co. inc. Agric. extension dep't, Harvester bldg, Chic. Write for price.

Hemp

Abaca (Manila hemp) in the Philippines by M. M. Saleeby. 1914. Bur. of agric. Manila, P. I.

Hemp by Lyster H. Dewey. 1914. Yearbook separate 628. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

From Dep't of agric. Yearbook, 1913.

Wisconsin's hemp industry by A. H. Wright. 1918. Bull. 293. Agric. exp. sta. Madison, Wis. Free to residents of Wisconsin; non-residents write for price.

Ink

The story your ink bottle tells. Ed. 5. n. d. Carter's ink co. Bost.

Iron and Steel

Carbon and alloy tool steels. c1920. Ludlum steel co. 1238-40 W. Washington blvd, Chic.

Iron and steel by J. Russell Smith. 1917. Community leaflet 9. Bur. of educ. Wash. Write for price to Sup't of doc. Wash.

Sintering and desulphurizing of iron ore materials. c1919. Amer. ore reclamation co. 71 Broadway, N. Y.

Iron and Steel—*Continued.*

Some aspects of iron and steel industry in Europe. 1915. Special consular rep't 71. Bur. of foreign and domestic commerce. Wash. Write for price to Sup't of doc. Wash.

Story of iron and steel by C. F. Talman. 1919. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

The story of steel. 1916. Bull. 6. Bur. of safety, sanitation and welfare, U. S. steel corporation, 71 Broadway, N. Y.

See also Electricity in industry.

Jute

Linen, jute and hemp industries in the United Kingdom by W. A. G. Clark. 1913. Special agents ser. 74. Bur. of foreign and domestic commerce, Wash. Write for price to Sup't of doc. Wash.

Lemons

The California lemon industry by G. H. Powell and F. O. Wallschlaeger. 1913. Bull. 9. California citrus league, Consolidated realty bldg, Los Angeles. Also publishes Italian lemon industry by same authors. 1913. Bull. 10.

Limestone

Indiana limestone. n. d. Indiana limestone quarrymen's ass'n, Bedford, Ind.

Linen

Development of American linen industry by W. A. Graham Clark. 1916. Special agents ser. 122. Foreign and domestic commerce bur. Write for price to Sup't of doc. Wash.

Linen, jute and hemp industries in the United Kingdom by W. A. G. Clark. 1913. Special agents ser. 74. Bur. of foreign and domestic commerce, Wash. Write for price to Sup't of doc. Wash.

Rug making from flax. n. d. Klearflax linen rug co. Duluth, Minn.

Locomotives

The fifty thousandth locomotive. Baldwin locomotive works, Phil.

The locomotive industry in Philadelphia. c1917. Chamber of commerce, Phil.

Presented by Baldwin locomotive works.

Most powerful locomotive in the world. 1913. Bull. 1014. Amer. locomotive co. 30 Church st. N. Y.

Lumber Industry

By-products of lumber industry by H. K. Benson. 1916. Special agents' ser. 110. Foreign and domestic commerce. bur. Wash. Write for price to Sup't of doc. Wash.

"Wood distillation, tannin extract, wood pulp, ethyl alcohol from sawdust, producer gas, oxalic acid, wood flour, wood plastics, needle oils."

Logging in the Douglas fir region by William H. Gibbons. 1918. Dep't bull. 711. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

Lumbering in the sugar and yellow pine region of California by Swift Berry. 1917. Dep't bull. 440 Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

"Describes operations, sawmills, and gives cost."

See also Electricity in industry.

Maple Sugar

How Vermont maple sugar is made by Walter H. Crockett. 1915. Dep't of agric. Montpelier, Vt.

Maple-sap sirup, its manufacture, composition, and effect of environment thereon. 1910. Bull. 134. Bur. of chemistry, Wash. Write for price to Sup't of doc. Wash.

The maple sugar industry in Canada by J. B. Spencer. 1913. Bull. 2B. Agric. dep't, Ottawa, Can.

Maple sugar industry with discussion of adulterations of maple products. 1905. Bull. 59. Forest service, Wash. Write for price to Sup't of doc. Wash.

The production of maple sirup and sugar by A. H. Bryan and W. F. Hubbard. 1912. Farmers bull. 516. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

Market Gardening

Truck farming in Philadelphia county by Albert W. Dudley. c1917. Chamber of commerce, Phil.

Presented by Philadelphia chamber of commerce.

Meat

Meat production in Australia and New Zealand by E. C. Joss. 1914. Yearbook separate 650. Dep't of agric. Wash. Write for price to Sup't of doc. Wash. Also Meat production in Argentine by A. D. Melvin. 1914. Yearbook separate 648. Dep't of agric. Wash. Write for price to Sup't of doc. Wash. Both from Yearbook of Dep't of agric. 1914.

Meat—*Continued.*

South American meat industry by A. D. Melvin. 1914. Yearbook separate 629. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

From Yearbook of Dep't of agric. 1913.

See also Packing industry.

Milk

Milk and its distribution in Philadelphia by Thomas B. Harbison. c1917. Chamber of commerce, Phil.

Presented by the Philadelphia milk exchange.

Milk and milk products. n. d. Distributed by Model-store-keeping dep't, Educational foundations magazine, 23 Flatbush ave. B. B. K. N. Y.

Information for pamphlet furnished by Borden's condensed milk co. N. Y.

Milk, Condensed

The what, how and why of condensed milk by Josephine Reeves. c1919. Borden's condensed milk co. 286 Borden bldg, N. Y.

Mining

Bulletins. Goodman mfg co. Halsted and 48th place. Chic.

Illustrated descriptions of electrical mining machinery. Also publishes the periodical Electrical mining.

Mining in the Federated Malay states by D. C. Alexander, jr. 1912. Special agents ser. 59. Bur. of manufactures, Wash. Write for price to Sup't of doc. Wash.

Mining industry of Idaho. (annual) Mining dep't, Boise.

See also Gold mining.

Nitrates

The great nitrate fields of Chile. 1909. Pan Amer. union, Wash.

Request for this publication must be made through a U. S. senator or member of congress.

Oil

See Petroleum.

Olive

A chemical study of the ripening and pickling of California olives by R. W. Hilts and R. S. Hollingshead. 1920. Dep't bull. 803. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

The first part of the bulletin gives information in regard to the picking and pickling of olives.

Olive—*Continued.*

The cultivation of the olive; a short treatise with special reference to fertilization by William S. Myers. n. d. Chilean nitrate committee, 25 Madison ave. N. Y.

The olive and its oil. n. d. H. J. Heinz co. Pittsburgh, Pa.

Packing Industry

By-products of the packing industry by R. J. H. DeLoach. c1919. Armour's bur. of agric. research and economics. Union stock yards, Chic. Also publishes a series of six booklets on Romance of big business by Emma T. East. c1919. Write for price.

Concentration of production in the meat packing industry by Leverett S. Lyon. 1918. Community leaflet 20. Bur. of educ. Wash. Write for price to Sup't of doc. Wash.

The live stock industry in Nebraska. n. d. Bur. of publicity, Chamber of commerce, Omaha, Neb.

The meat packing industry in America; an illustrated lecture. c1919. Swift and co. National Stock Yards, Ill. Also other publications.

See also Electricity in industry.

Paint

The materials of paint manufacture; address by G. B. Heckel. Paint manufacturers' ass'n of the U. S. 636 The Bourse, Phil. Also other publications.

Reprinted from the Journal of the Franklin institute for June 1911.

The paint and varnish making industry in Philadelphia by Ernest T. Trigg. c1917. Chamber of commerce, Phil.

Presented by Philadelphia paint club.

Paper

The art of paper making. n. d. Hampshire paper co. South Hadley Falls, Mass. Also book of samples.

Crop plants for paper making by C. J. Brand. Reprint. 1916. Circ. 82. Bur. of plant industry, Wash. Write for price to Sup't of doc. Wash.

Paper in the making, non-technical. Dill and Collins, Richmond and Tioga sts. Phil.

The story of paper by Thomas J. Keenan. 1920. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

See also Electricity in industry.

Paper Box Industry

The paper box industry in Philadelphia. c1918. Chamber of commerce, Phil.

Presented by the Paper box manufacturers.

Peanut Butter

New facts about Beech-nut peanut butter. n. d. Beech-nut packing co. Canajoharie, N. Y.

Peanut butter by W. R. Beattie. 1912. Circ. 98. Bur. of plant industry, Wash. Write for price to Sup't of doc. Wash.

Peanuts

Peanuts in Florida. 1916. Ext. bull. 6. Div. of agric. ext. Univ. of Florida, Gainesville, Fla. Also publishes Peanuts for oil production. 1918. Ext. bull. 12.

Pecan

Pecan and hickory in Texas by E. J. Kyle. 1911. Dep't of agric. Austin, Texas. Also publishes Pecans and other nuts in Texas. 1916. Bull. n. s. 24.

Pecans. 1911. Bull. 156. Dep't of agric. Raleigh, N. C.

Pencils

How Eberhard Faber pencils are made. n. d. Eberhard Faber, 37 Greenpoint ave. Brooklyn, N. Y.

Pencil geography. Ed. 6. c1904. Joseph Dixon crucible co. Jersey City, N. J.

Pens

How are steel pens made? n. d. Spencerian pen co. 349 Broadway, N. Y.

The making of a pen. n. d. Esterbrook steel pen mfg co. Camden, N. J. Also other publications.

Methods employed by the L. E. Waterman co. in the manufacture of fountain pens by Douglas Hamilton. 1912. L. E. Waterman co. 191 Broadway, N. Y. Also other publications.

Reprint from Dec. 1911 and Jan. 1912 issues of Machinery.

Petroleum

Glances at petroleum development in Latin America. 1918. Pan Amer. union, Wash.

Reprint from Pan Amer. union bull. Jan. 1918. Request for this publication must be made through a U. S. senator or member of congress.

Petroleum—*Continued.*

Oil and its geology by Milton A. Allen. 1917. Arizona bur. of mines, Univ. of Arizona, Tucson, Ariz. Also publishes Drilling for oil by Milton A. Allen.

Petroleum and its uses by Edith P. Parker. 1917. Community leaflet 3. Bur. of educ. Wash. Write for price to Sup't of doc. Wash.

The story of oil. n. d. Standard oil co. 26 Broadway, N. Y.

Story of oil by C. F. Talman. 1919. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Plants

A handbook of industrial plants in common use. 1915. Bur. of educ. Manila, P. I.

Plate Glass

The making of plate glass. n. d. Pittsburgh plate glass co. Frick bldg, Pittsburgh, Pa.

Platinum

Platinum, with especial reference to Latin America by George F. Kunz. 1918. Pan Amer. union, Wash.

Reprint from Pan Amer. union bull. Nov. 1917. Request for this publication must be made through a U. S. senator or member of congress.

Quarrying

Barre granite. n. d. Barre quarriers and manufacturer's ass'n, Barre, Vt.

Sullivan stone channelers' catalogue 68. c1913. Sullivan machinery co. Peoples gas bldg, Chic.

Yesterday, today and forever, a story of north Georgia. n. d. Georgia marble co. Tate, Pickens co. Ga. Also other publications.

See also Electricity in industry.

Raisin Industry

Raisin industry by G. C. Husman. 1916. Dep't bull. 349. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

Rice

The by-products of rice milling by J. B. Reed and F. W. Liepsner. 1917. Dep't bull. 570. Dep't of agric. Write for price to Sup't of doc. Wash.

Describes the milling process and contains a graphic diagram of typical rice mill.

The culture of rice in California by C. E. Chambliss and E. L. Adams. 1915. Farmers' bull. 688. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

Irrigation of rice on the coastal prairies of Texas by C. G. Haskell. 1915. Bull. 43. Dep't of agric. Austin, Tex.

Irrigation practice in rice growing by C. G. Haskell. 1915. Farmers' bull. 673. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

The milling of rice and its mechanical and chemical effect upon the grain by F. B. Wise and A. W. Broomell. 1916. Dep't bull. 330. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

Primitive and modern methods of milling rice.

Prairie rice culture in the U. S. by Charles E. Chambliss. 1920. Farmers' bull. 1092. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

Rice culture by A. P. Spencer. 1918. Ext. circ. 5. Div. of agric. ext. Univ. of Florida, Gainesville, Fla.

Rice in the Americas. 1917. Pan Amer. union, Wash.

Reprint from Pan Amer. union bull. Feb. 1917. Request for this publication must be made through a U. S. senator or member of congress.

Rice in the Philippine Islands by H. O. Jacobson. 1914. Bur. of agric. Manila, P. I.

Rubber

The romance of rubber. n. d. Chamber of commerce, Phil.

Presented by B. F. Goodrich rubber co. Akron, O.

Rubber, a wonder story. c1919. Educational dep't, U. S. rubber co. 1790 Broadway, N. Y.

Booklets intended for presentation to pupils. Teachers supplied with a copy for each child in the class.

Rubber in Brazil by A. J. de Souza Carneiro. 1913. Ministry of agric. industry and commerce. Rio Janeiro, Brazil.

Rubber—*Continued.*

Rubber planting in Malaya by C. Malcolm Cumming. n. d. Distributed by Pacific mail S. S. co. 508 California st. San Francisco, Cal.

The story of rubber by Peter Philip Pinto. 1920. Mentor ass'n inc. 114 E. 16th st. N. Y. Write for price.

The story of rubber from discovery to the present day. n. d. Hood rubber products co. Watertown, Mass.

The story of rubber; what it is and what it does. c1916. Boston woven hose and rubber co. Bost.

The story of the tire. c1919. Goodyear tire and rubber co. Akron, O.

Manufacture of rubber and tires.

Rugs

Inside facts about our Whittall rugs and carpets. n. d. M. J. Whittall associates, Worcester, Mass.

The making of rugs and carpets.

The rug and carpet industry of Philadelphia by Philip A. Hall. c1917. Chamber of commerce, Phil.

Presented by Hardwick and Magee co.

Salmon

Utilization of the fish waste of the Pacific coast for the manufacture of fertilizer by J. W. Turrentine. 1915. Dep't bull. 150. Agric. dep't Wash. Write for price to Sup't of doc. Wash.

First part of the bulletin describes the salmon canning industry in Alaska with illustrations.

Salt

How we make Royal crystal table salt. n. d. Inland crystal salt co. Salt Lake City, Utah.

A little visit to the home of Worcester salt. n. d. Worcester salt co. 71-73 Murray st. N. Y.

Illustrated description of salt manufacture.

A souvenir from the home of Diamond crystal salt, folder. n. d. Diamond crystal salt co. St Clair, Mich.

Showing modern process of making salt.

Sawmills

Small sawmills, their equipment, construction and operation by Daniel F. Seereley. 1918. Dep't bull. 718. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

Saws

Disston handbook containing a treatise on the construction of saws. 1919. c1912. Henry Disston and sons, inc. Phil. Also publishes The saw in history. c1916. and How a Disston hand saw is made. c1914.

Sharpening Stones

Sharpening stones, history and development. c1915. Pike mfg co. Pike, N. H.

Shipbuilding

The bridge of ships by Alex. H. Beard. Amer. internat'l corporation, 120 Broadway, N. Y.

Reprinted from the Outlook Aug. 7 1918.

Building of a wooden ship by Charles G. Davis. 1918. U. S. shipping board emergency fleet corporation. Phil. Also other publications.

Shipping

Ocean shipping; the basic principles of marine transportation with particular reference to the foreign trade of the U. S. Ed. 2. 1917. 64th cong. 2nd. sess. House doc. 2112.

Prepared by National foreign trade council. Apply to your congressman or to Nat'l foreign trade council, India house, Hanover square, N. H.

Shoes

The making of shoes. United shoe machinery corporation 205 Lincoln st. Bost.

Silk

A short description of silk and silk manufacture. n. d. Cheney bros. Fourth ave. and 18th st. N. Y.

Silk culture by Gerald McCarthy. 1902. Bull. 181. Agric. exp. station, Raleigh, N. C.

Silk from butterfly to gown. n. d. Belding bros and co. 201 W. Monroe st. Chic. Also publishes The silkworm, its history and product. c1915.

The silk industry, from the worm to the wearer. n. d. H. K. H. silk co. of N. Y. inc. 120 E. 16th st. N. Y.

Silk—*Continued.*

Silk, its origin, culture and manufacture. Rev and enl. Corticelli silk mills, Florence, Mass. Write for price.

Silk, the real versus the imitation. c1909. Brainerd and Armstrong co. New London, Conn.

See also Silkworms.

Silkworms

The culture of the mulberry silk worm by T. A. Keleher. c1917. T. A. Keleher, P. O. box 203, U st. station, Wash. Write for price.

Soap

The story of the soap bubble by Emma T. East. c1919. Romance of big business ser. No. 2. Armour's bur. of agric. research and economics, Union stock yards, Chic. Write for price.

Spices

Coffees, teas, and spices from plantation to dealer. n. d. Dwinell-Wright co. 311-319 Summer st. Bost.

Spices, a text-book for teachers, c1915. McCormick and co. Baltimore. n. d. Free to teachers of domestic science.

Sponges

Sponge culture by Jules Cotte. 1908. Doc. 670. Bur. of fisheries, Wash. Write for price to Sup't of doc. Wash.

Steel

See Iron and steel.

Sugar

The beet-sugar industry in the United States by C. D. Townsend. 1918. Dep't bull. 721. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

Cane production and sugar manufacture in the Philippine Islands by Cleve W. Hines. 1919. Bull. 33. Bur. of agric. Manila, P. I. Also publishes The sugar industry of the Philippine Islands by same author. 1914.

A century of sugar refining in the United States. Pref. 1918. American sugar refining co. 117 Wall st. N. Y. Also other publications.

The cultivation of sugar cane; a short treatise with special reference to fertilization by William S. Myers. n. d. Chilean nitrate committee, 25 Madison ave. N. Y.

Sugar—*Continued.*

The story of sugar cane and molasses. n. d. Distributed by Model storekeeping dep't, Educational foundations magazine. 23 Flatbush ave. B. B. K. N. Y.

Information in pamphlet supplied by Penick and Ford, ltd, New Orleans, La.

Sugar by Ruth Reticker. 1918. Community leaflet 12. Bur. of educ. Wash. Write for price to Sup't of doc. Wash.

Sugar cane by A. P. Spencer. 1919. Ext. bull. 14. Div. of agric. ext. Univ. of Florida, Gainesville, Fla.

See also Electricity in industry, Maple sugar.

Sulphur

Some Andean sulphur deposits. 1918. Pan Amer. union, Wash.

Reprint from Pan Amer. union bull. Jan. 1918. Request for this publication must be made through a U. S. senator or member of congress.

Tapioca

The story of Minute tapioca. n. d. Minute tapioca co. Orange, Mass.

Also furnishes a chart showing the manufacturing processes of tapioca. Free to teachers provided it becomes a permanent part of the school equipment.

Tea

China by S. W. Harris. c1919. Irwin-Harrisons and Crosfield, inc. 90 Wall st. N. Y.

Describes process of manufacture of tea in the Keemun district of China.

Coffees, teas, and spices from plantation to dealer. n. d. Dwinell-Wright co. 311-319 Summer st. Boston.

Cultivation and manufacture of tea in the United States by G. F. Mitchell. 1912. Bull. 234. Bur. of plant industry, Wash. Write for price to Sup't of doc. Wash.

Home-grown tea by George F. Mitchell. 1907. Farmers' bull. 301. Agric. dep't, Wash. Write for price to Sup't of doc. Wash.

The story of tea. c1917. McCormick and co. Baltimore, Md. Free to teachers of domestic science.

Tea culture around the world; a series of 25 views. n. d. Hills bros. 175 Fremont st. San Francisco, Cal.

When writing use letterhead of the school.

Telephone

Telephone, telegraph and wireless systems in Philadelphia. c1917. Chamber of commerce, Phil.

Presented by Bell telephone company of Pennsylvania.

Thread

How we make our thread. n. d. American thread co. Willimantic, Conn.

Tin

Bright tin plates. 1916. Amer. sheet and tin plate co. Frick bldg, Pittsburgh, Penn.

Contains article on Tin plate manufacture.

Tobacco

The cultivation of tobacco; a short treatise with special reference to fertilization by William S. Myers. n. d. Chilean nitrate committee, 25 Madison ave. N. Y.

Tobacco culture by W. W. Garner. 1914. Farmers' bull. 571. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

Tobacco culture in North Carolina by E. H. Matthewson and E. G. Moss. 1917. Bull. 237. Agric. exp. sta. Raleigh, N. C.

Tobacco culture in Ohio. 1912. Bull. 238. Agric. exp. sta. Wooster, O.

Tobacco curing by W. W. Garner. 1913. Farmers' bull. 523. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

Tobacco growing in Canada by F. Charlan. 1915. Bull. 25, ser. 2. Agric. dep't, Ottawa, Can.

Tobacco in the Philippine Islands by H. O. Jacobson. 1914. Bur. of agric. Manila, P. I.

Truck Farming

See Market gardening.

Turpentine

The naval stores industry by A. W. Schorger and H. S. Betts. 1915. Dep't bull. 229. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

Wood turpentine, its production, refining, properties, and uses. 1911. Bull. 144. Bur. of chemistry, Wash. Write for price to Sup't of doc. Wash.

Varnish

The paint and varnish making industry in Philadelphia by Ernest T. Trigg. c1917. Chamber of commerce, Phil.
Presented by Philadelphia paint club.

Vinegar

Vinegars, four kinds and their making. n. d. H. J. Heinz co. Pittsburgh, Pa.

Walnut Industry

The California walnut. c1919. California walnut growers ass'n, 1326 E. Seventh st. Los Angeles, Cal.

Waste Products

By-products coke and gas plants. c1919. The Koppers co. Pittsburgh, Pa.

Watches

Waltham and the European made watch. c1919. Waltham watch co. Waltham, Mass. Also other publications.

The watch. c1918. Elgin nat'l watch co. Elgin, Ill.

Whalebone

Whalebone; its production and utilization. 1907. Doc. 626. Bur. of fisheries, Wash. Write for price to Sup't of doc. Wash.

Wheat

Handling wheat from field to mill by L. A. Fitz. 1910. Circ. 68. Plant industry bur. Wash. Write for price to Sup't of doc. Wash.

See also Flour.

Wood Using Industries

Wood using industries of California by A. K. Armstrong. 1912. State board of forestry, Sacramento, Calif.

Wood-using industries of Quebec. Forestry branch, Ottawa, Canada. Also publishes Wood-using industries of Ontario; Wood-using industries of the Maritime provinces. Not seen.

Wood using industries of Vermont by H. Maxwell. 1913. Dep't of agric. Montpelier, Vt.

Wool

Annual wool review. 1919. Nat'l ass'n of wool manufacturers, 50 State st. Bost. Write for price.

Domestic wool clip, imports of wool and woolen and other statistical tables.

From wool to cloth. 1916. Ext. circ. 23. Dep't of agric. Raleigh, N. C.

Suggestions from Australasia to American sheep raisers. 1914. Yearbook separate 645. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

From Yearbook of Dep't of agric. 1914.

The woolgrower and the wool trade by F. R. Marshall and L. L. Heller. 1915. Dep't bull. 206. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

Describes wool grading and sorting with illustrations.

Woolen Manufacture

City of Manchester, N. H. and the Amoskeag manufacturing company. c1912. Distributed by Amoskeag mfg co. Manchester, N. H.

Contains pictures of cotton and woolen manufacturing.

Woolen and Worsted Manufacture

The clothing of the people. n. d. Cleveland worsted mills co. Cleveland, O.

From wool to cloth. c1911. Amer. woolen co. Bost.

Yeast

The story of compressed yeast. c1915. Fleischmann co. 701 Washington st. N. Y. Sent free to domestic science teachers.

Yerba Mate

Yerba mate; the tea of South America. 1916. Pan Amer. union, Wash.

Reprint from Pan Amer. union bull. May 1916. Describes the processes of gathering and curing the leaves. Request for this publication must be made through a U. S. senator or member of congress.

Zinc Ores

The Anaconda reduction works. c1919. Anaconda copper mining co. Anaconda, Mont. Also publishes Great Falls reduction dep't, 1919.

MISCELLANEOUS

Before sending for any of these pamphlets please read section of preface entitled How to obtain, on pages 5–6.

Atmosphere

Stories of the atmosphere by Roscoe Nunn. 1916. Yearbook separate 680. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

From Yearbook of Dep't of agric. for 1915.

Big Trees

Secret of the big trees, Yosemite, Sequoia, and General Grant national parks by Ellsworth Huntington. 1913. Interior dep't, Washington. Write for price to Sup't of doc. Wash.

Census

Story of the census, 1790-1916. 1916. Census bur. Wash.

Cities

What nature has done for a typical city by J. Paul Goode. 1917. Community leaflet 4. Bur. of educ. Wash. Write for price to Sup't of doc. Wash. Also publishes Concentration of population in great cities by Leverett S. Lyon. 1916. Community leaflet 19. Write for price to Sup't of doc. Wash.

Clouds

Description of cloud forms. 1914. Weather bur. Wash. Write for price to Sup't of doc. Wash.

1 sheet, 24 by 17 inches. Blue tint illustrations.

Commerce

Bibliography

Commerce and manufactures, list of publications relating to above subjects for sale. 1920. Sup't of doc. Wash.

Coral and Coral Reefs

Corals and formation of coral reefs by Thomas W. Vaughan. 1919. Publication 2506. Smithsonian institution, Wash.

From Annual report 1917.

Deserts

The desert by John C. VanDyke. 1920. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Distances

Port chart; average number of days for freight and mail from New York to the principal ports of the world. 1919. Barber S. S. lines, 17 Battery place, N. Y.

Earthquakes

Earthquakes and volcanoes by C. F. Talman. 1917. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Electric Railways

The electric railways; a brief account of the method of operation of transportation systems in the cities. 1920. Bull. 3. Ill. committee on public utility information. 203 S. Dearborn st. Chic.

Foreign and Domestic Trade

The function of imports in our foreign trade by George E. Roberts. 1920. Foreign commerce ser. 2. Nat'l city bank of N. Y. N. Y.

The future of trade between the United States of America and the Netherlands and its colonies by H. A. Van Coenen-Torchiana. Ed. 3, 1919. Holland-Amer. chamber of commerce, inc. 381 Bush st. San Francisco, Cal.

Reconstruction of foreign and domestic markets. Ass'n of nat'l advertisers, 15 E. 26th st. N. Y.

Pt 1: Manufacturing capacity and world trade. Only part issued.

Trade thought of post-war Europe. 1919. Irving nat'l bank, Woolworth bldg, N. Y. Also publishes Foreign trade thought of 1918 and Trade thought of the two Americas in 1919, and other publications.

World trade conditions after the war; an analysis of the preparations England, France, and Germany are now making to extend their foreign trade. 1918. Nat'l foreign trade council, India house, Hanover square, N. Y. Also other publications.

Periodicals

Association news and Weekly bulletin. Both periodicals published by Amer. manufacturers export ass'n, 160 Broadway, N. Y.

Frost

Frost and the prevention of damage by it by Floyd D. Young. 1920. Farmers bull. 1096. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

Notes on frost. Rev. 1911. Farmers' bull. 104. Agric. dep't, Wash. Write for price to Sup't of doc. Wash.

Geography

The new meaning of geography in American education by Wallace W. Atwood; address delivered Feb. 6, 1920. Ginn and co. Bost.

For other reference see first part of preface Sources and value.

Geysers

Geysers by Walter H. Weed. 1912. Dep't of the interior, Wash. Write for price to Sup't of doc. Wash.

"In this pamphlet is a description of the forces which have produced the geysers, and the geysers of the Yellowstone are compared with those in Iceland and New Zealand."

Imports and Exports

Trade of the United States with the world, 1917-1918, imports and exports of merchandise into and from the United States, by countries and principal articles. Miscellaneous ser. 78. Foreign and domestic commerce bur. Two pts; 1, Imports; 2, Exports. Write for price to Sup't of doc. Wash.

Land

Arable land in the United States by O. E. Baker and H. M. Strong. 1918. Yearbook separate 771. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

From Yearbook of Dep't of agric. 1918.

Lightning

Lightning and lightning conductors by Alfred J. Henry. Farmers' bull. 367. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

Lincoln Highway

A picture of progress on the Lincoln way. 1920. Lincoln highway ass'n, Detroit, Mich. Also other publications.

Maps

Elements of chart making. 1916. Special publ. 38. Coast and geodetic sur. Wash. Write for price to Sup't of doc. Wash.

Maps—*Continued.*

Grid system for progressive maps in the United States by William Bowie and Oscar S. Adams. 1919. Special publ. 59. Coast and geodetic sur. Wash. Write for price to Sup't of doc. Wash.

"Contains description of grid system devised for use in surveys and maps of United States and method of using same."

How to use desk and wall outline maps by L. P. Denoyer. n. d. A. J. Nystrom and co. 2249-53 Calumet ave. Chic. Also publishes How to use blackboard outline maps by L. P. Denoyer and A. H. Sanford. n. d.

A study of map projections in general by Oscar S. Adams. 1919. Special publ. 60. Coast and geodetic sur. Wash. Write for price to Sup't of doc. Wash.

"Attempt has been made in this publication to treat in simple form some fundamental ideas that underlie map projections in general."

Bibliography

Maps; list of publications relating to above subjects for sale. 1919. Sup't of doc. Wash.

MAPS, TOPOGRAPHICAL

See Topographical maps.

METRIC SYSTEM

Bulletins. Amer. institute of weights and measures, 115 Broadway, N. Y.

Against the metric system.

Metric manual for soldiers. 1918. Misc. publ. 21. Bur. of standards. Write for price to Sup't of doc. Wash.

Metric units of weights and measures. n. d. World trade club, 681 Market st. San Francisco, Cal. Also other publications.

In favor of the metric system.

Metric weights and measures. 1919. Amer. metric ass'n, 156 Fifth ave. N. Y.

In favor of the metric system.

MONEY

The minting of coins by Ruth Reticker. 1918. Community leaflet 18. Bur. of educ. Wash. Write for price to Sup't of doc. Wash. Same leaflet also includes Paper money by same author.

Monetary systems of the principal countries of the world. 1916. Bur. of the mint. Wash. Write for price to Sup't of doc. Wash.

Includes history of coins and currency of the United States.

Physical Geography

Physical geography manual; a loose leaf system of fifty simple laboratory exercises for high schools and academies by N. A. Bengtson. c1915. W. M. Welch scientific co. 1516 Orleans st. Chic.

Free to physical geography teachers.

Ports

Comparative study of the economic, industrial and commercial conditions in the free ports of Europe and the port of New York by Philip B. Kennedy. 1914. Merchants' ass'n of N. Y. 233 Broadway, N. Y. Also publishes The function and utility of free ports. 1918.

Ports of United States; reports on terminal facilities, commerce, port charges and administration at 68 selected ports by Grosvenor M. Jones. 1916. Misc. ser. 33. Bur. of foreign domestic commerce, Wash. Write for price to Sup't of doc. Wash.

A seaport as a center of concentration of population and wealth by J. Paul Goode. 1918. Community leaflet 21. Bur. of educ. Wash. Write for price to Sup't of doc. Wash.

Railroads

New railways in foreign countries. 1919. Guaranty trust co. of N. Y. 140 Broadway, N. Y.

The official guide of the railroads and steam navigation lines of the United States, Porto Rico, Canada, Mexico and Cuba. (monthly) Nat'l R. R. publ. co. 75 Church st. N. Y.

While this is too expensive to buy it may be possible for those living in small towns to get back copies from the station agent of the railroad. Besides time tables it contains railroad maps.

See America, an historical and geographical treatise on the Baltimore and Ohio railroad. 1916. Baltimore and Ohio R. R. Baltimore, Md.

Roads

Development of the modern country roadway by George C. Warren. 1913. Nat'l highways ass'n, Wash.

Reprinted from the Journal of the Amer. society of engineering contractors, Jan. 1913.

Storms

Types of storms of United States and their average movements. 1914. Monthly weather review. Supplement 1. Weather bur. Wash. Write for price to Sup't of doc. Wash.

Thermometer

Story of the thermometer and its uses in agriculture. 1914. Yearbook separate 635. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

From Yearbook of Dep't of agric. 1914. Gives history and principle of the thermometer, ways of making, etc.

Time

Keeping time by C. F. Talman. 1917. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Time taking, time keeping. n. d. Elgin nat'l watch co. Elgin, Ill.

Topographical Maps

Topographic maps of the United States by W. M. Davis. c1917. Physiographic bull. 1. Nat'l highways ass'n, Wash.

Topography

Training manual in topography, map reading and reconnaissance. 1918. Engineer dep't, Wash. Write for price to Sup't of doc. Wash.

Tractors

Caterpillar consistency. n. d. Holt mfg co. Peoria, Ill. Also other publications.

Transportation

Household removals throughout the world. n. d. Transcontinental freight co. 203 S. Dearborn st. Chic. Also other publications.

Shows how goods are transported in many foreign countries.

Bibliography

Transportation; list of publications for sale. 1919. Sup't of doc. Wash.

Volcanoes

Earthquakes and volcanoes by C. F. Talman. 1917. Mentor ass'n, inc. 114 E. 16th st, N. Y. Write for price.

See also Lassen volcanic national park in General list.

Water Power

Electric power from the Mississippi, a description of the water-power development at Keokuk, Iowa. Ed. 3. 1913. Mississippi river power co. Keokuk, Iowa.

Weather

The weather by C. F. Talman. 1916. Mentor ass'n, inc. 114 E. 16th st. N. Y. Write for price.

Weather Bureau

Weather bureau; its history and work by Henry E. Williams. 1915. Weather bur. Wash. Write for price to Sup't of doc. Wash.

Weather Forecasts

The commercial weather map of the United States weather bureau by Henry L. Heiskell. 1912. Yearbook separate 612. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

From Yearbook of Dep't of agric. 1912. "Describes the weather map published in the newspapers and the processes by which it is done."

Some useful weather proverbs by W. J. Humphreys. 1912. Yearbook separate 599. Dep't of agric. Wash. Write for price to Sup't of doc. Wash.

From Dep't of agric. Yearbook 1912. "Interesting work on weather forecasting by observations of the sun, sky colors, moon, stars, wind, clouds, etc. with well known rhymes and couplets on the subject."

Weather forecasting with introductory note on atmospherics. 1917. Weather bull. 42. Weather bur. Wash. Write for price to Sup't of doc. Wash.

EDUCATIONAL EXHIBITS

This list has been compiled from answers to letters sent out to practically all of the American firms listed in the following bibliographies, as well as to others not listed. Some of the exhibits cost too much for small schools but are included to make the list useful to large schools.

"Under present conditions it is very difficult to get our school exhibits made and we are obliged for a time to discontinue the service of sending them to schools", letter of Walter Baker and co. These conditions affect all the manufacturers and probably accounts for the fact that fewer educational exhibits than usual are offered. Their place seems to be taken by moving pictures.

Mr. Charles R. Toothaker, curator of the Commercial museum, Philadelphia, Pennsylvania, suggests the following paragraph. "Teachers will find that many business firms are sometimes willing to supply material for educational use. The firms most willing to do this are generally those that spend most money on advertising. If you want any particular industry illustrated by specimens and find the firm which advertises largely, you have a very fair chance of getting what you want by writing to them. In such a case everything depends on the kind of a letter you write. A great deal can be done through the parents of children in your own class; the grocer, the druggist or the dry goods dealer has much influence with the wholesale dealer from whom he buys."

Bibliography

Manufacturers' exhibits, in J. G. Dana. The school department room, p. 16. 1910. The H. W. Wilson co. 958 University ave. N. Y. Write for price.

Exhibits and illustrative material in W. F. Doughty. Laboratory equipment. Bull. 87, p. 35-6. 1918. Dep't of educ. Austin, Texas.

Illustrative material received by the Newark museum ass'n since 1916. n. d. Free public library, Newark, N. J.
Mimeographed sheet, supplementing list in Aids in high school teaching.

List of exhibits; mimeographed list of 4 pages. States relations service, Wash.

General

Carl Kagerah, 1008 Cherry st. Milwaukee, Wis.
Exhibits of cotton, silk, wool, etc. with wide range in price.

George Philip and son ltd, 32 Fleet st. Lond. E. C. 4.

General—*Continued.*

Wards' natural science establishment, 84-102 College ave. Rochester, N. Y.

General economic collections for sale. Send for catalog.

Asbestos

H. W. Johns-Manville co. Madison ave. and 41st st. N. Y. or Michigan ave. and 18th st. Chic.

Sample of crude asbestos, of asbestos millboard and of asbestos cloth.

Buttons

Art in buttons, Rochester, N. Y.

Exhibit showing vegetable ivory nut and the processes of manufacture of buttons. Write for price.

Cereals

See Grain.

Cocoa and Chocolate

Hershey chocolate co. Hershey, Penn.

Shows the process of cocoa manufacture from the bean in its natural state to the finished product. Free.

The Walter M. Lowney co. 427 Commercial st. Bost.

Showing cocoa from the raw bean to the finished product. Free.

Coffee

C. F. Blanke tea and coffee co. 7th and Clarke ave. St Louis, Mo.

About 25 bottles showing the various stages that coffee passes through from the time it leaves the plantation until it is ready for use; contains also samples of different varieties of tea. Write for price.

Hills bros. 175 Fremont st. San Francisco, Cal.

Exhibit of 5 samples showing coffee bean in different stages to finished product. Furnished to any "teacher or educational institution desiring a short lesson on this subject." When writing use letter head of the school.

Cotton

Cambridge botanical supply co. Waverly, Mass.

Entire cotton plant, products of cotton seed, etc. Send for catalog.

Corn

Amer. manufacturers' ass'n of products from corn. 208 S. La Salle st. Chic. Write for price.

Flax

Klearflax linen rug co. Duluth, Minn.

"Cards showing the different stages from the flax plant to the finished Klearflax rug, also field and factory scenes." Write for price.

Linen thread co. 96 and 98 Franklin st. cor. Church, N. Y.

Flax in different stages of manufacture from the raw material to the finished product. Write for price. Express collect.

Flour

Pillsbury flour mills co. Minneapolis, Minn.

Consists of twelve samples in two ounce bottles showing the different stages of flour manufacture. The bottles are mounted on a substantial card standard 13¾ by 21 in. printed with pictures in cross section of a wheat kernel and a simplified flour mill. Sent to any school, college or educational institution. Free, express charges to be guaranteed by applicant or postage must be sent. Shipping weight about 6 lbs.

Washburn-Crosby co. Minneapolis, Minn.

Illustrates the different stages of wheat as it is manufactured into flour. Also charts showing dissected wheat kernel and a sectional view of a simplified flour mill.

Food

Artemas Ward, 50 Union square, N. Y.

80 color plates from the Encyclopedia of foods and beverages. Write for price.

Grain

Kellogg toasted corn flake co. Battle Creek, Mich.

"Corn flake bottle display illustrating different stages in the process of manufacturing."

Shredded wheat co. Niagara Falls, N. Y.

Heavy fibre board chart, 14 by 19 in. printed in two colors, showing eight different views of the process of manufacturing shredded wheat biscuit; also four bottles, each containing sample of wheat in a particular stage of transformation into the shredded wheat biscuit. Weight 3 lbs. Sent for postage.

Gypsum

U. S. Gypsum co. Chic.
Piece of gypsum rock, samples of gypsum plaster and other products.

Limestone

Indiana limestone quarrymen's ass'n, Bedford, Ind.
Samples of Indiana limestone free, if placed permanently in the school.

Packing Industry

Morris and co. Chic.
Samples of tallow, glue fertilizers, showing by-products of packing industry.

Iron and Steel

Illinois steel co. South Chicago, Ill.
Raw and finished material pertaining to iron and steel industry. Free to educational institutions on payment of transportation charges.

Paper

Strathmore paper co. Mittineague, Mass.
Three bottles containing rags, half stock, and jordon stock, showing paper in process of manufacture. Write for price.

Peanut Butter

Beech-nut packing co. Canajoharie, N. Y.
Exhibit of peanut butter, six jars showing the peanuts and the little acrid heart which is extracted during the course of manufacture. Free to teachers.

Pencils

Eberhard Faber, 37 Greenpoint ave. Brooklyn, N. Y.
Steps in the manufacture of a pencil from crude graphite and cedar strip to the finished product. Also shows the evolution of a rubber eraser.

Joseph Dixon crucible co. Jersey City, N. J.
Showing the manufacture of pencils from the cedar strips to the finished product.

Pens

Esterbrook steel pen mfg co. Camden, N. J.
Shows by samples the steps in the manufacture of pens from the sheet steel to the finished product.

Pens—*Continued.*

Spencerian pen co. 349 Broadway, N. Y.

Card with pens showing the different processes in making them.

Plate Glass

Pittsburgh plate glass co. Frick bldg, Pittsburgh, Pa.

Exhibit of plate glass and plate glass making materials. Sent for express charges.

Rope

Ludlow mfg associates, 111 Devonshire st. Bost.

Exhibit is made up of ten samples consisting of flax, jute, Italian and American hemp, showing processes of manufacture into twine. Write for price.

Rubber

Eberhard Faber, 37 Greenpoint ave. Brooklyn, N. Y.

The evolution of a rubber eraser is shown in his exhibit of steps in the manufacture of a pencil.

Firestone tire and rubber co. Akron, Ohio.

Samples of rubber.

Hood rubber products co. Watertown, Mass.

Shows the various ingredients necessary to refine crude rubber and to manufacture it into rubber boots and shoes. Write for price.

L. E. Waterman co. 191 Broadway, N. Y.

Samples showing rubber in different stages in making pens.

Shears

J. Wiss and sons co. Newark, N J.

Shows steps in the manufacture of shears. Free to schools with an enrollment over 300. Express collect.

Shoes

W. L. Douglas shoe co. Brockton, Mass.

Shows the various parts which make up a shoe, properly labeled and mounted on large cards. Write for price.

Shot Shell and Metallic Cartridge

Remington arms union, metallic cartridge co. Woolworth bldg, N. Y.

One exhibit consists of 29 parts of shot shells, .22 caliber metallic cartridges and big game metallic cartridges in various stages of manufacture.

Another exhibit shows the construction, loading, etc. of three grades of shot shells. Free. Both exhibits are sent only to teachers and to school principals.

Silk

Belding bros. and co. 201 West Monroe st. Chic.

Silk exhibit. Write for price.

Corticelli silk mills, Florence, Mass.

Box of two cocoons, silk culture chart, silk culture cabinet. Express collect. Write for price.

H. K. H. silk co. of N. Y. inc. 120 E. 16th st. N. Y.

Specimens of silk, in twelve stages, showing process of manufacture from the worm and cocoon to the finished product. Write for price.

T. A. Keleher, P. O. box 203, U st. sta. Wash.

Silk cocoon exhibit, 5 cocoons in various colors and conditions and a small skein of raw silk. Silk culture exhibit in Riker glasscover mount displays eggs of the silkworm moth, mature silkworm (inflated) the chrysalis, silk moths, male and female, silk cocoons in various conditions and colors, raw silk, silk fabric and the silkworm's plant food, mulberry leaf. Send for catalog.

Soap

Larkin co. Buffalo, N. Y.

Bottles showing ingredients of soap, its appearance at different stages and the finished product. Free; sent for postage.

Spices

D. and L. Slade co. 189-191 State st. Bost.

Card having mounted upon it 37 bottles containing samples of whole spices, seeds, etc.; under each vial is placed the name of the spice and the country from which it comes. Write for price.

Steel

See Iron and steel.

Tea

C. F. Blanke tea and coffee co. 7th and Clarke ave. St Louis, Mo.
See description of exhibit under Coffee. Write for price.

Thimbles

Scovill mfg co. 280 Broadway, N. Y.
Card mounted with parts indicating the various processes used in the manufacture of thimbles. Write for price.

Watches

Waltham watch co. Waltham, Mass.
Exhibit showing parts of a watch.

Woolen and Worsted Manufacture

S. B. and B. W. Fleisher, inc. 25th and Reed sts. Phil.
Shows the various processes through which wool passes in the manufacture of woolen yarn. Write for price.

PHOTOGRAPHS, LANTERN SLIDES AND MOVING PICTURES

It will be necessary in each case to write directly to the firm in whose films you may be interested for information in regard to conditions of loan, terms, etc.

No attempt has been made to list agencies which furnish photographs, lantern slides or motion pictures only to certain cities or states.

For list of dealers in stereopticons, projection apparatus, accessories, etc., see list of addresses of dealers in geographical supplies following this list.

Bibliography

Concerns specializing in educational, religious, industrial and feature films. De Vry corporation, 1248 Marianna st. Chic.

Educational institutions equipped with motion-picture projection machines. Ext. leaflet 1. Dec. 1919. Bur. of educ. Wash.

Motion picture films; industrial and pictorial films of educational value. 1919. Henry Disston and sons, inc. Phil.

Motion picture films of educational value in the possession of associations and commercial and manufacturing companies. 1919. Ext. leaflet 2. Bur. of educ. Wash. Write for price to Sup't of doc. Wash.

Moving picture films; mimeographed list in Sources of projection apparatus and materials. States relations service. Wash.

Use of pictures in schools. Wilson bull. Mar. 1920, p. 447. H. W. Wilson co. 958-96 University ave. N. Y.

Visual education, May and June, 1920, has a list of commercial film exchanges giving many addresses for each exchange and a list of films classified by large subjects, e. g. Travel and scenics.

General

Motion pictures and motion picture equipment; a handbook of general information by F. W. Reynolds and Carl Anderson. 1920. Bull. 1919 no. 82. Bur. of educ. Wash. Sup't of doc. Wash. Write for price.

Motion pictures in teaching by C. Francis Jenkins. c1916. Graphoscope development co. 50 E. 42nd st. N. Y. or 712 11th st. Wash.

General—*Continued.*

The picture collection. Rev. 1917. The H. W. Wilson co. 958 University ave. N. Y. Write for price.

Gives sources of pictures and describes how a picture collection may be organized.

Visual education. Feb., 1920, number of Teaching. Kansas state normal school, Emporia, Kansas.

Stereographs and Lantern Slides

Visual education; partial reprint from Teachers' guide to Keystone 600 set. c1919. Keystone view co. inc. Meadville, Penn. Write for price.

Tells how to study and use stereographs and lantern slides.

Addresses

American museum of natural history. N. Y.

Photographs and slides.

Atchison, Topeka and Santa Fe R. R. co. Topeka, Kansas.

In fall of 1920 "will be able to furnish both slides and films on the Grand canyon of Arizona, Petrified forest of Arizona, the Yosemite valley of California, and Indian country of Arizona and New Mexico."

Atlas educational film co. 63 E. Adams st. or 29 E. Madison st. Chic.

Geographical and industrial films.

Atlas Portland cement co. Corn exchange bank bldg, Chic.

Has film Manufacture of Atlas Portland cement and others.

Beseler educational film co. inc. 71 W. 23rd st. N. Y.

Commercial film exchange.

Chas. Beseler co. 131-133 E. 23rd st. N. Y.

Lantern slides, supplies lecture and travelogue sets with manuscripts.

A. and C. Black, ltd, 4-6 Soho square, Lond. W. I.

Geographical and travel pictures and post cards.

Geo. W. Bond slide co. 14 W. Washington st. Chic.

Travel films for rent or sale.

Bray pictures corporation, 23 E. 26th st. N. Y.

Industrial motion pictures.

George P. Brown and co. 38 Lovett st. Beverly, Mass.

Pictures of famous buildings and scenery.

Bur. of commercial economics, Francis Holley, director, Wash.
Bureau displays its reels in schools. Address taken from Pan-Pacific union bull. June 1920, p. 8.

California fruit growers exchange, Los Angeles, Cal.
Film on California orange industry showing all phases from the planting of the seeds through the picking and packing operations. Three reels. Time about 36 minutes.

Cambridge botanical supply co. Waverly, Mass.
Lantern slides on artic physiography, industrial chemistry, forestry, volcanology, etc.

Canadian Pacific R. R. 140 S. Clark st. Chic.
Films descriptive of eastern Canada, the Canadian Pacific Rockies and Alaska; slides covering Canada from the Atlantic to the Pacific ocean; including Alaska.

Capital merchandise co. 538 S. Dearborn st. Chic.
Lantern slides, travel and industrial films.

*Carter cinema co. 220 W. 42nd st. N. Y.
Commercial film exchange.

Central scientific co. 460 E. Ohio st. Chic.
Lantern slides for scientific instruction, Catalog Q.

Chicago, Burlington and Quincy R. R. co. 547 W. Jackson blvd, Chic.
Has set of about 120 lantern slides "covering trip from Chicago by way of St Paul through Glacier, Yellowstone and Rocky mountain national parks, Denver, Colorado Springs and the Pike's Peak region and back to Chicago."

Chicago, Milwaukee and St Paul R. R. co. Chic.
Film of Mount Rainier national park and Rocky mountains.

Cleveland and Buffalo transit co. Cleveland, Ohio.
Has motion picture of trip to Buffalo and on to Niagara Falls by trolley and around the gorge route. 1550 ft.

Community motion picture bur. 46 W. 24th st. N. Y.
Selected motion picture service for schools, churches, etc.

Conrad slide and projection co. 4028 Jackson blvd, Chic.
Lantern slides for geography and other subjects.

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*Address taken from Visual education, May, 1920.

Arthur S. Cooley, 631 North New st. Bethlehem, Pa.
Lantern slides of Greece, Italy, Sicily, etc., for sale or rent
Also photographs.

Corticelli silk mills, Florence, Mass.
Stereopticon slides and motion picture films loaned.

Curtiss picture corporation, 33 W. 42nd st. N. Y.
Educational films on travel, industrial films on invention, etc

Denver and Rio Grande R. R. Denver, Col.
Sets of lantern slides from 15 to 80 each and moving picture film of Mesa Verde national park, 1350 feet, and Royal gorge, 1000 feet, loaned to schools.

Detroit publishing co. Detroit, Mich.
Post cards and photographs.

**H. S. Dum and co. Educational dep't, Downers Grove, Ill.
Motion picture specialists, giving advice about machines and films.

Eaton Crane and Pike co. Pittsfield, Mass.
Films depicting "the manufacturing process of paper from the receiving of the rags at the mill up until the time it reaches the dealer's stationery department." A lecture dealing on the process of paper making accompanies the films.

Educational films corporation, 729 Seventh ave. N. Y.
Travel films.

Endicott, Johnson co. Endicott, N. Y.
Motion picture films showing tanning of leather, making of shoes, etc.

**Eskey-Harris, 126 W. 46th st. N. Y.
Producer of films.

Exhibitors supply co. inc. 608 S. Dearborn st. Chic.
Books educational films; publishes selected list of films from all exchanges. Write for price.

Famous players-Lasky corporation, 485 Fifth ave. N. Y.
Films of Burton Holmes travel pictures.

Ray J. Fink, 4263 Franklin st. Phil.
Educational films for sale or rent.

**Address taken from Visual education, June, 1920.

UNIV. OF CALIFORNIA

First national exhibitors circuit, inc. 6 W. 48th st. N. Y.
Commercial film exchange.

Foster bros. 4 Park square, Bost.
Pictures of oriental life.

*Fox film corporation, 130 W. 46th st. N. Y.
Commercial film exchange.

General electric co. Publication bur. Schenectady, N. Y.
Issues booklet on their lecture service, lantern slides and motion pictures.

Geography supply bur. 115 Kelvin place, Ithaca, N. Y.
Lantern slides, wall pictures of American scenery.

Goldwyn distributing corporation, 469 Fifth ave. N. Y. or 3312 Lindell blvd, St Louis, Mo.
Industrial and travel films.

Goodyear tire and rubber co. Motion picture dep't, Akron, O.
Educational motion pictures.

Gramstorff bros. inc. 101-103 Ferry st. Malden, Mass., owners of Soule art publishing co. and Horace K. Turner co. collections.
Pictures and lantern slides of foreign countries.

**Hallmark pictures corporation, 130 W. 46th st. N. Y.
Commercial film exchange.

M. W. Harper, Ithaca, N. Y.
Lantern slides on farm animals including sheep shearing.

Haynes photo studios, 341 Selby ave. St Paul, Minn.
Post cards, photographs, lantern slides of Yellowstone national park and of Glacier national park.

H. J. Heinz co. Pittsburgh, Pa.
Films showing how the 57 varieties are made.

Indiana limestone quarrymen's ass'n, Bedford, Ind.
"Films depicting quarrying and millings methods current in the Indiana limestone industry showing production from removing the overburden in the quarry to setting the stone in the building."

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*Address taken from Visual education, May, 1920.
**Address taken from Visual education, June, 1920.

Internat'l harvester co. inc. Agric. ext. dep't, Harvester bldg, Chic.
Charts, lantern slides with lecture books and motion pictures.

Kewanee boiler co. Kewanee, Ill.
"Motion pictures showing the process of steel boiler building going into detail."

Keystone view co. inc. Meadville, Pa.
Stereographs and lantern slides.

Kineto co. of America, inc. 71 W. 23rd st. N. Y.
Travel and industrial films.

L. E. Knott apparatus co. 79-83 Amherst st. Bost. Cambridge A. sta.
Lantern slides and stereographs.

Lea-Bel co. 64 W. Randolph st. Chic.
Geographical and industrial films.

William A. Lochren film and slide co. 16 N. Fourth st. Minneapolis, Minn.
Industrial and travel films, lantern slides.

Louisiana board of commissioners of the port of New Orleans. 200 New Orleans court bldg, New Orleans, La.
Motion picture films of its port facilities.

J. Horace McFarland co. Mount Pleasant press, Harrisburg, Pa.
Photographs and lantern slides of outdoor subjects. Slides for sale or rent.

McIntosh stereopticon co. 30 E. Randolph st. Chic.
Lantern slides.

Manufacturers and exhibitors filmad co. 577 W. 7th st. Des Moines, Iowa.
Motion picture films.

*Metro pictures corporation, 729 7th ave. N. Y.
Commercial film exchange.

Moore, Hubbell and co. Masonic temple, Chic.
Lantern slides; rents or sells lecture sets with descriptive reading.

Erik J. Mordt and co. 20 W. Austin ave. Chic.
Photographs of Norway.

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*Address taken from Visual education, May, 1920.

National geographic society, Wash.
Lantern slides from photographs in the National geographic magazine; also sets of pictures illustrating Esquimo life, Sahara life, Land, water and air, and United States.

National lead co. 111 Broadway, N. Y.
Film showing the manufacture of white lead.

National motion pictures co. Indianapolis, Indiana.
Producer.

Northern Pacific R. R. co. St Paul, Minn.
"Two sets of lantern slides, one descriptive of Yellowstone national park and the other of scenes along the Northern Pacific R. R. from St Paul-Minneapolis to the Pacific coast."

Pathe exchange, inc. 1600 Broadway, N. Y.
Commercial film exchange.

Pathescope co. 17 N. Wabash ave. Chic.
Educational films on travel, manners and customs, industries, etc.

Pathescope co. of America, inc. Aeolian hall, N. Y. or 17 N. Wabash ave. Chic.
Educational films on travel, manners, customs, industries, etc.

Perry pictures co. Malden, Mass.
Geographical pictures.

George Philip and son ltd, 32 Fleet st. Lond. E. C. 4.
Geographical pictures.

C. C. Pierce and co. 623 S. Spring st. Los Angeles, Cal.
Photographs and lantern slides illustrating California and the southwest.

Portland cement ass'n, 111 W. Washington st. Chic.
Lantern slides on different phases of concrete construction.

Postum cereal co. Battle Creek, Mich.
Film on making pure foods.

Publicity film co. Bismarck, N. D.
Motion picture films and photographs of agricultural subjects.

Putnam studios, 757 S. Los Angeles st. Los Angeles, Cal.
Photographs, lantern slides and transparencies of the Pacific coast.

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*Address taken from Visual education, May, 1920.
**Address taken from Visual education, June, 1920.

Ramms, inc. 220 W. 42nd st. N. Y. Motion picture dep't.
Used films, many on educational subjects.

Rau art studios inc. 238 S. Camac st. Phil.
Photographs and lantern slides for rent or for sale.

**Realart pictures corporation, 3626 Olive st. St Louis, Mo.
Commercial film exchange.

Remington arms union metallic cartridge co. Woolworth bldg, N. Y.
Will furnish "a set of 69 educational lantern slides covering the manufacture of firearms and ammunition" with explanatory captions.

*Republic pictures, 126 W. 46th st. N. Y.
Commercial film exchange.

Riley optical instrument co. inc. 146 Fifth ave. N. Y.
Lantern slides to rent and to sell.

Robertson-Cole co. Div. of films, 1600 Broadway, N. Y. or Consumers bldg, Chic.
Has film on cannibals of South Sea islands.

Rothacker film mfg co. 1339-1351 Diversey parkway, Chic.
Industrial films of manufacturing processes.

Chamber of commerce, Broadway and Locust, St Louis, Mo.
Geographical and industrial films sent all over the United States.

*Scientific film corporation, 13 Dutch st. N. Y.
Commercial film exchange.

*Select pictures corporation, 126 W. 46th st. N. Y.
Commercial film exchange.

Society for visual instruction, inc. 327 South LaSalle st. Chic.
Films on geography.

Southern pine ass'n. New Orleans, La.
Educational film From log to lumber. 1 hour. Also Building our wooden fleet in the South. 1 hour and 15 minutes.

Standard oil co. 26 Broadway, N. Y.
Motion picture films of the petroleum industry. 3000 ft. Time 40 minutes.

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*Address taken from Visual education, May, 1920.
**Address taken from Visual education, June, 1920.

ndard slide corporation, 209-213 W. 48th st. N. Y.
antern slides.

llivan machinery co. Peoples gas bldg, Chic.
Three reels showing construction of coal mining machines and three reels showing coal mining machinery in operation and giving the story of coal in considerable detail.

ıber-Prang art co. Springfield, Mass.
Some geographical pictures.

hompson publishing co. Syracuse, N. Y.
Geographical and industrial pictures.

opical films co. 220 W. 42nd st. N. Y.
Motion picture films of educational value.

nderwood and Underwood, 417 Fifth ave. N. Y.
Stereographs, lantern slides, including sepia and colored, and lantern slides on films. Also issues lecture sets and a classified manual for the stereographs and slides.

**Underwriters' laboratories, N. Y.
Producer.

Union souvenir card exchange, J. Park Graybell, Manager, P. O. box 591, Seattle, Wash.
Post cards.

Unique slide co. 717 7th ave. N. Y.
Lantern slides.

*United picture theatres, 1457 Broadway, N. Y.
Commercial film exchange.

United projector and film co. 69-71 W. Mohawk st. Buffalo, N. Y.
Travel and industrial films.

U. S. Dep't of agric. Wash.
In July 1920 had 460 reels available for distribution, including 112 subjects. Dep't circ. 114, published in July 1920 gives a list of the films and their uses. Many are geographical.

U. S. Bur. of educ. Visual instruction section, Wash.
Educational films. Distributed through state centers. Write address given above for the distributing center for your state. Free except for transportation charges.

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*Address taken from Visual education, May, 1920.
**Address taken from Visual education, June, 1920.

U. S. Nat'l park service, Wash.
Lantern slides on Mount Rainier, Crater lake, Yosemite, Grand canyon, Glacier, Yellowstone, Rocky mountain and Mesa Verde national parks. Motion picture films supplied for all the above and in addition Hawaii. Borrowers to pay transportation charges.

Universal film mfg co. 1600 Broadway, N. Y. Div. of education.
"Film on commercial geography is now under way." No films yet on market (5 Mar. 1920) but "will be ready for release before the end of the present school year."

Victor animatograph co. Davenport, Iowa.
Lantern slides for sale or rent, and moving picture films.

Victor safety film corporation, First nat'l bank bldg, Chic.
Films on travel and industry. To be ready Sept. 1, 1920.

*Vitagraph, 1600 Broadway, N. Y.
Commercial film exchange.

Ward's natural science establishment, 84-102 College ave. Rochester, N. Y.
Photographs illustraing physiography.

L. E. Waterman co. 191 Broadway, N. Y.
Film showing history of the pen from the middle ages to the present time.

Westinghouse electric and mfg co. East Pittsburgh, Pa.
Industrial films showing how electricity is used.

M. H. Whitelaw, 145 W. 45th st. N. Y. Suite 702.
Educational moving pictures.

Williams, Brown and Earle, inc. 918 Chestnut st. Phil.
Lantern slides for sale or rent, with lecture readings.

Worcester film corporation, 145 W. 45th st. N. Y.
Industrial films.

*Address taken from Visual education, May, 1920.

LIST OF ADDRESSES OF DEALERS IN GEOGRAPHICAL SUPPLIES

The children's museum, Bedford park, Brooklyn, N. Y. has a list of geographical models, 1917, describing those owned by the museum and other publications.

Bibliography

Publishers or sources of material in Maps, atlases and geographical publications. 1915, p. 44-46. The H. W. Wilson co. 958 University ave. N. Y. Write for price.

Sources of maps, charts and models. Mimeographed list of 2 pages. States relations service, Wash.

Sources of projection apparatus and materials. Mimeographed list. States relations service, Wash.

Supply houses in W. F. Doughty Laboratory equipment. Bull. 87 p. 36-7. 1918. Dep't of educ. Austin, Texas.

Visual instruction; sources of objects in Aids in high school teaching, pictures and objects. 1916, p. 53-68. The H. W. Wilson co. 958 University ave. N. Y. Write for price.

Addresses

Amer. geographical society. Broadway at 156th st. N. Y.
Maps, some accompanied by small descriptive pamphlets.

**Amer. projecting co. inc. 6231 Broadway, Chic.
Portable motion picture projection machines.

Julius Andrae and sons co. Broadway and Michigan sts. Milwaukee, Wis.
Projectors and accessories.

Atkinson, Mentzer and co. 24 W. 39th st. N. Y.
Outline and relief maps.

G. W. Bacon and co. ltd, Norwich st. Fetter Lane, Lond. E. C. 4.
Maps.

John Bartholomew and co. Geographical institute, Edinburgh, Scotland.
Maps.

**Address taken from Visual education, June, 1920.

Bass camera co. inc. 109 N. Dearborn st. Chic.
Motion picture cameras, projection apparatus for motion pictures and lantern slides.

Bausch and Lomb optical co. Rochester, N. Y.
Stereopticons and accessories; various models of projection apparatus for use with lantern slides or for the direct projection of photos, post cards, etc.

Chas. Beseler co. 131-133 E. 23rd st. N. Y.
Stereopticons, transparencies, etc.

Geo. W. Bond slide co. inc. 14 W. Washington st. Chic.
Moving picture projectors and accessories, stereopticons and slide supplies.

George P. Brown and co. 38 Lovett st. Beverly, Mass.
Stencil maps.

Burke and James, 240-258 E. Ontario st. Chic.
Motion picture camera, stereopticons and supplies.

The Capital merchandise co. 538 S. Dearborn st. Chic.
Projection machines and accessories.

Central scientific co. 460 E. Ohio st. Chic.
Catalog P physiographical apparatus lists globes, map supplies, maps, relief models, mineral collections, etc.

Chicago apparatus co. 32-40 S. Clinton st. Chic.
General geography supplies.

Chicago case mfg co. 213 N. Morgan st. Chic.
Slide boxes.

Conrad slide and projection co. 4028 Jackson blvd, Chic.
Moving picture machines and lanterns.

Denoyer-Geppert co. 460 E. Ohio st. Chic.
Maps.

De Vry corporation, 1248 Marianna st. Chic.
Portable cinema projector and accessories.

Educational exhibition co. 26 Custom house st. Providence, R. I.
Maps, specially mounted, map fixtures, glass head map pins, etc.

*Enterprise optical mfg co. 564 W. Randolph st. Chic.
Projectors and accessories.

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*Address taken from Visual education, May, 1920.

Erker bros. optical co. 608 Olive st. St Louis, Mo.
Motion picture machines, stereopticons, display frames, lenses, slide and film cases, slide material screens and miscellaneous supplies.

Excelsior illustrating co. 219 Sixth ave. N. Y.
Manufactures lantern slides; agents for stereopticon machines.

Exhibitors supply co. inc. 608 S. Dearborn st. Chic.
Motion picture machines, projectors and stereopticons, supplies and accessories.

Ray J. Fink, 4263 Franklin st. Phil.
Moving picture machines and all types of equipment, both new and second hand.

*Fitzpatrick and McElroy, 202 S. State st. Chic.
Projectors.

Geography supply bureau, 115 Kelvin place, Ithaca, N. Y.
Stereopticons, lantern screens, etc.

Graphoscope development co. 50 E. 42nd st. N. Y. or 712 11th st. Wash.
Motion picture projecting machines.

Kauffman-Lattimer co. 41 E. Chestnut st. Columbus, O.
Projection apparatus and scientific apparatus.

Keystone view co. inc. Meadville, Pa.
Stereopticons, cabinets and boxes for stereographs, etc.; also stereopticon lecture sets free to schools.

*Klix mfg co. 326 W. Madison st. Chic.
Motion picture cameras.

Lea-Bel co. 64 W. Randolph st. Chic.
Portable moving picture projectors.

Lewy motion picture studios, 217 N. Liberty st. Baltimore, Md.
Portable projectors; manufacture lantern slides and motion pictures to order.

William A. Lochren film and slide co. 16 N. Fourth st. Minneapolis, Minn.
Portable projectors and accessories and stereopticons.

J. Horace McFarland co. Mount Pleasant press, Harrisburg, Pa.
Stereopticons.

*Address taken from Visual education, May, 1920.

McIntosh stereopticon co. 30 E. Randolph st. Chic.
Stereopticons, motion picture machines, projection apparatus and accessories.

McKinley publishing co. 1619-1621 Ranstead st. Phil.
Maps.

Manufacturers and exhibitors filmad co. 577 W. 7th st. Des Moines, Iowa.
Manufacture moving picture films and lantern slides; distribute portable projectors and stereopticons.

Martin, Hood and Larkin, 8 Gt Newport st. Lond. W. C. 2.
Maps.

Moore, Hubbell and co. Masonic temple, Chic.
Stereopticons, moving picture machines and supplies.

*Movie supply co. 207 S. Wabash ave. Chic.
Supplies of all kinds for motion picture projection.

Multiplex display fixture co. St Louis, Mo.
Lantern slide cabinets, illuminated transparencies, map fixtures.

A. J. Nystrom and co. 2249-53 Calumet ave. Chic.
Maps, globes and charts.

Pathescope co. 17 N. Wabash ave. Chic.
Portable projectors.

Pathescope co. of America, inc. Aeolian hall, N. Y.
Motion picture machines and accessories.

George Philip and son, ltd, 32 Fleet st. Lond. E. C. 4.
Maps, globes, relief models, miscellaneous apparatus.

**Nicholas Power co. inc. 90 Gold st. N. Y.
Motion picture machines.

Precision machine co. inc. 317 E. 34th st. N. Y.
Moving picture projectors.

Rand, McNally and co. Chic. or N. Y.
Maps and globes.

Riley optical instrument co. inc. 146 Fifth ave. N. Y.
Projection apparatus.

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*Address taken from Visual education, May, 1920.
**Address taken from Visual education, June, 1920.

Robertson bros. 2103 K. st. N. W. Wash.
Relief maps, collection of minerals and rocks, model makers.

*Rutledge and co. 35 S. Dearborn st. Chic.
Portable projectors.

Schweig-Engel film corporation, 4927 Delmar blvd, St Louis, Mo.
Portable moving picture projector and all moving picture machine accessories, including screens.

Society for visual instruction, 327 S. LaSalle st. Chic.
Projector for moving pictures.

Spencer lens co. Buffalo, N. Y.
Stereopticons and accessories.

Standard slide corporation, 209-213 48th st. N. Y.
Motion picture portable machines, stereopicons, slide cases, lantern slide supplies.

Edward Stanford, ltd, 12-14 Longacre, Lond. W. C.
Maps.

C. H. Stoelting co. 3037 Carroll ave. Chic.
Manufacturers and dealers in projection apparatus.

A. T. Thompson co. 15 Tremont place, Bost.
Reflectoscopes and attachments, moving picture machines, lanterns and lantern slide boxes, stereopticons, screens, etc.

Thompson publishing co. Syracuse, N. Y.
Lantern slides made to order.

Topical films co. 220 W. 42nd st. N. Y.
Portable projectors.

Underwood and Underwood, 417 Fifth ave. N. Y.
Touriscopes, stereoscopes, filing cases for stereographs and slides, cabinets, projecting lanterns and accessories.

United projector and film co. 69-71 W. Mohawk st. Buffalo, N. Y.
Motion picture projectors and accessories.

Universal fixture co. 135 W. 23rd st. N. Y.
Displayors for maps, etc.

University of Chic. press, 5791 Ellis ave. Chic.
Maps.

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*Address taken from Visual education, May, 1920.

Victor animatograph co. Davenport, Iowa.
Lantern slide supplies, portable stereopticons, motion pictur cameras, motion picture machines and accessories.

Ward's natural science establishment, 84-102 College ave. Roch ester, N. Y.
Minerals, relief maps, economic collections, models illustratin physiography, museum cases, etc.

W. M. Welch mfg co. 1516 Orleans st. Chic.
Maps, globes, general supplies for physical geography and fo map study. Projection lanterns.

Wertsner and Wild, 314 S. Franklin st. Chic.
Maps, map mounting, map cases and cabinets, map tacks, etc. motion picture and stereopticon screens.

Williams, Brown and Earle, inc. 918 Chestnut st. Phil.
Stereopticons and motion picture machines and screens.

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